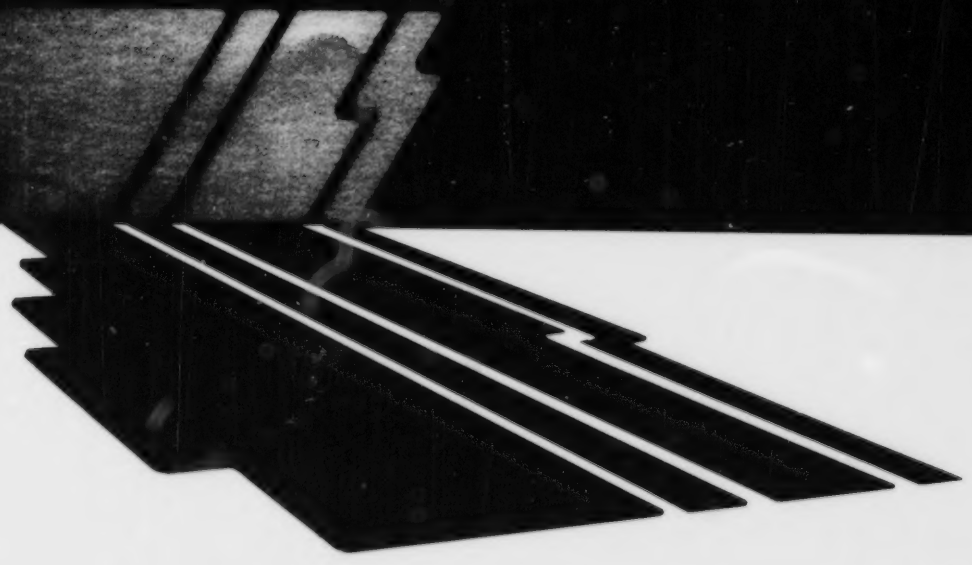
The Regional
Municipality
of Niagara



1988
CAPITAL BUDGET
& 4 YEAR FORECAST

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

REPORT TO COUNCIL

April 28, 1988

TO: W. N. Dick, Chairman
and Members of Regional Council

FROM: W. Smeaton, Chairman
Finance Committee

REFERENCE: 1988 Capital Budget and Four Year Forecast

RECOMMENDATIONS

The Finance Committee recommends to Council:

1) That the 1988 Capital Budget and Four Year Forecast be adopted as presented.

2) That all current revenue contributions to capital be removed from departmental budgets and consolidated after approval of the 1988 budget, and considered in conjunction with debt charges, commencing in the 1989 budget year.

3) That the Region make application to the Ontario Municipal Board for a bulk order approval of capital projects in the amount of $3,084,560.

REPORT

The five year capital forecast represents total spending of $179,478,500. Of this total, $51.7 million will be financed from grants and subsidies. A further $17 million will be provided as current budget contributions over years from 1988 through 1992. A total of $50.7 million will be financed from reserve and reserve funds and $1.3 million from other contributions (i.e. municipalities, developers). The remaining $58.8 million will be raised through the issuance of debentures.

This capital budget represents the continuation of our objective to control tax and user rate increases by placing limitations on capital financing costs through the use of capital budget guidelines. Our capital budget guidelines promote a balanced approach to the financing of capital costs, so that the payment burden for capital projects is shared by both existing and future taxpayers.

Our capital program over the five year period is generally within guidelines for the same period. This has been accomplished without the need to excessively increase tax or user rates, or lengthen the term of debentures. The Provincial Ministry of Environment has been instrumental in reducing our financial burden by providing increased funding and upfront financing on certain major sewer projects. As a result, it has not been necessary to eliminate or delay any necessary projects.

This capital budget leaves the Region in a healthy financial position when measured in terms of debt capacity. Our total debt charges as a percentage of current budget expenditures are about one half of the maximum debt capacity based on Ontario Municipal Board criteria.

W. Smeaton, Chairman
Finance Committee

MT:jm

The Regional Municipality of Niagara

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REPORT TO COUNCIL

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THE REGIONAL MUNICIPALITY OF NIAGARA

TRANSMITTAL REPORT

March 23, 1988

TO: Mr. W. Smeaton, Chairman
and Members of Finance Committee

FROM: M. Trojan
Director of Finance

M. H. Boggs
Chief Administrative Officer

REFERENCE: The Proposed 1988 Capital Budget and Four Year Forecast

RECOMMENDATIONS:

1. That the 1988 capital budget and four year forecast be adopted as presented.

2. That all current revenue contributions to capital be removed from departmental budgets and consolidated after approval of the 1988 budget, and considered in conjunction with debt charges, commencing in the 1989 Budget year.

3. That the Region make application to the Ontario Municipal Board for a bulk order approval of capital projects in the amount of $3,084,560.

INTRODUCTION

The 1988 capital budget and four year forecast to 1992 includes capital expenditures totalling $179,478,500. The total five year capital expenditure program showing sources of financing is outlined on page 1. The magnitude of some of the projects in our capital forecast, especially in the area of sewage works, necessitated the introduction, last year, of expenditure cash flow projections. These cash flows vary depending on the timing, phasing and magnitude of each project and are used to assist in determining how much we have to borrow in each year of the capital programs.

Our capital budget documents, however, reflect expenditures on an approved basis so that amounts are shown in the year in which approval of the capital project is required.

Annual debt charges resulting from borrowing requirements are projected on a cash flow requirement basis and are shown on page (ii). The remaining sources of financing are grants and subsidies, current revenue contributions and reserve funds.

Revised capital budget guidelines were introduced last year. This year's capital budget represents the continuation of the efforts to place limitations on capital financing costs through capital budget guidelines. The objective is to control the increases in tax and user rates.

GENERAL PURPOSES - CAPITAL BUDGET

Our general purposes capital budget guideline was designed to limit the increase in capital financing costs (debt charges and current revenue contributions) and minimize the impact on the tax levy. In simple terms, our guideline permits capital financing costs to increase at the same percentage rate as our total tax levy increase as well as allowing the utilization for capital purposes of additional revenue from assessment growth. Under such a guideline total capital financing costs of $8.5 million in 1988 would be permitted. The total actual capital financing cost included in our 1988 current budget is $8,164,522 which is well within the established guideline. This total consists of $5,360,822 in debt payments as well as a capital levy contribution of $2,803,700.

Using the actual 1988 capital financing costs as a base, the guidelines for the years 1989 through 1992 have been recalculated using the following assumptions:

- inflation at 4-1/2% in each future year
- assessment growth of 1-1/2% in 1989 and 1% in the remaining years
- all debt issued at an interest rate of 10-1/2%

As demonstrated on the attached schedule I, the five year program as proposed can generally be accommodated within the proposed guidelines. Actual expenditures vary slightly from the guideline in each year, but on average are within the guideline limitations over the five year period.

The general purposes capital budget is essentially an update of last year's capital program. Exceptions are the inclusion of an annual provision commencing in 1989 for the Region's corporate information system, and a provision in 1992 for a police headquarters expansion. As well, the annual current budget provision for capital-related Environmental Services studies has been reflected in the capital budget. It should be noted that again this year no provision has been made in the capital budget for costs related to possible additional Regional administration headquarters accommodation. A study is currently being undertaken by Regional staff addressing the space needs of the Region and its Departments. This study will be submitted to Committee and Council later in 1988.

CURRENT BUDGET CONTRIBUTION TO CAPITAL

The 1988 current budget includes a capital contribution of $2,803,700. Of the total, approxi nately $2.3 million is included in the Public Works Current budget as a contribution to roadways construction. Minor amounts are also included for Senior Citizens Department capital equipment purchases, Public Works building construction and environmental programs in their respective current budgets.

Capital contributions in future years represent year to year increases ranging from 10% to 21%. The inclusion of these large capital financing amounts within the roadways current budget account for a major portion of the year to year percentage increases. The 1988 amount of $2.3 million was a major contributor to the overall 5.8% increase in the Public Works current budget and in fact represents a 12.5% increase over what was included in the 1987 budget for roadways capital contribution.

Current budget contributions to capital expenditures represent a financing policy decision. The inclusion of various amounts within a number of departmental budgets confuses and complicates the financing decision. Notwithstanding the impact on the current budget, the financing of capital expenditures should be dealt with independently of decisions regarding current operating expenditures. It is therefore recommended that commencing in the 1989 budget year, all current budget contributions to capital be removed from departmental budgets and included as one global amount to be considered in conjunction with the current budget allocation for debt charges. To accomplish this, budget re-allocations will be required after approval of the 1988 Budget to ensure that budget to budget comparisons are possible in 1989.

SEWAGE AND WATER CAPITAL BUDGETS

The 1988 uniform sewer and water rates were approved in December of 1987. Guidelines were established which provide for sewer and water operating and capital costs within limitations of a 7% rate increases for sewer and a 6% rate increases for water over the period 1988 to 1992. It was recognized that existing debt charges as a percentage of total expenditures had reached 43%, which, when compared to the 27% average in other Regions, is high. Therefore, additional limitations were imposed on debt accumulation so that debt charges as a percentage of total expenditures were not allowed to exceed 43% in any year.

Based on the draft capital program available when the sewer and water rate report was prepared, the entire water capital program could have been carried out within the guideline limitations, however expenditure reductions totalling $4.7 million would have been required in the period from 1988 to 1990 in the sewer capital program.

The expenditure program for sewer purposes has been updated based on the proposed five year capital budget as well as the most current information available regarding project timing, M.O.E. subsidy availability and increased reserve fund financing. As a result, expenditure reductions are not required until 1990 at which point the capital program exceeds the guideline by $2.8 million. No reductions as originally projected are required in the 1988 and 1989 capital program and hopefully, improved funding will eliminate the 1990 shortfall of $2.8 million.

The recognition by the M.O.E. of Niagara's environmental improvement program in the form of increased funding and up-front financing on certain major sewer projects has substantially improved our cash flow situation.

DEBT FINANCING:

Debenture requirements in the 5 year forecast are $58,828,760. Increased subsidy and greater utilization of available reserve funds have reduced borrowing requirements especially in the sewer program.

Our total debt at the end of 1992 is projected at $116 million compared to $101.5 million at the end of 1988. Debt charges will grow from $19.2 million in 1988 to $26.8 million in 1992. As a percentage of current budget expenditures, total debt charges will grow from 10% in 1988 to 11.8% in 1992. (See page viii).

The borrowing requirements are within the total debt capacity of the Region based on OMB criteria of 20% of current expenditures.

O.M.B. BULK ORDER APPROVAL

In January of this year, the Region applied for and received an OMB Bulk Order approval for $9 million which was committed against the Region's 1988 interim Capital Expenditure Quota of the same amount. Included in this order was the Secondary Treatment Addition to the Anger Avenue Pollution Control Plant, Fort Erie in the debenture amount of $7,519,060 which represents the only sewage project requiring debenture approval in 1988. As a result of additional subsidy dollars from the Province for sewage projects and additional sewage capital levy reserve funding, the debenture amount for the Anger Avenue project has been reduced by $1,243,800 to $6,275,260. This reduction of $1,243,800 will be cancelled on the interim bulk order approval and added on to the final bulk order approval. In this regard it is recommended that our application be made to the Ontario Municipal Board for a bulk order approval for the balance of $3,084,560. Therefore, the total Capital Expenditure Quota request for 1988 will be $12,084,560.

APPROVED BY:

M. Trojan
Director of Finance

/lm

RESPECTFULLY SUBMITTED BY:

Michael H. Briggs
Chief Administrative Officer.

The Regional Municipality of Niagara

COMPARISON OF PROJECTED CAPITAL SPENDING
FOR GENERAL PURPOSES TO CAPITAL GUIDELINES
(in 000's)

General Government	1988	1989	1990	1991	1992	Totals
Debt Charges	$5,361	$6,248	$6,984	$7,479	$8,419	$34,491
Capital from Current	2,804	2,974	3,525	3,925	4,097	17,325
Projected Total	$8,165	$9,222	$10,509	$11,404	$12,516	$51,816
Capital Requirement Guidelines	8,165	9,376	10,395	11,519	12,731	52,186
Amount (Over)/Under Guideline	NIL	154	(114)	115	215	370

Information Re Guideline Calculations - General Government

The general purposes Capital Budget Guideline was recalculated for 1988 and for the Four Year Forecast for the years 1989 to 1992 inclusive.

The 1988 capital financing costs (debt charges plus capital from current) were used as the base year with an assumed inflation rate of 4.5% per annum.

The guideline also provided for the use of revenue from new assessment growth in each year. The 1989 growth estimate use was 1.5% with a 1% figure used in each of the years from 1990 to 1992 inclusive.

The Regional Municipality of Niagara

COMPARISON OF PROJECTED CAPITAL DEBT CHARGES FOR SEWER AND WATER WORKS TO GUIDELINES ($000's)

Sewage Works	1988	1989	1990	1991	1992	Total
Projected Debt Charges	7,760	8,760	10,404	10,475	11,440	48,839
Debt Charge Guideline (43% of Est. Expenditures)	8,531	9,380	10,323	10,604	11,277	50,115
Amount (Over)/Under Guideline	771	620	*(81)	129	*(163)	1,276

* It is anticipated that additional M.O.E. subsidies may be available to help reduce debenture requirements so that debt charges can be reduced below or close to the guideline amount for 1990 and 1992.

Water Works						
Projected Debt Charges	6,288	5,946	6,971	6,213	6,258	31,676
Debt Charge Gudeline (43% of Est. Expenditures)	6,363	6,495	6,635	7,218	7,457	34,168
Amount (Over)/Under Guideline	75	549	(336)	1,005	1,199	2,492

Information Re Guideline Calculations for Sewer and Water Works

Sewer and Water Guidelines

The sewer and water guidelines were established and approved by Council in December, 1987 as part of the sewer and water setting report. The guidelines for debt charges for both sewer and water capital operations were approved at the maximum rate of 43% of total annual expenditures.

(7102C)

DEBT ANALYSIS

THE REGIONAL MUNICIPALITY OF NIAGARA

Existing and Projected Debenture Debt
of the Regional Corporation ($000's)

	Debt as at Dec 31/87	Unfunded Debt	Total	1988 Debt Retirement	1988 Program	Projected Debt at Dec. 31/88
General Government	2,676	1,031	3,707	924	-	2,783
Public Works - Roadways	4,988	1,725	6,713	1,386	3,056	8,383
Senior Citizens	2,750	4,223	6,973	293	-	6,680
Children's Aid	258	-	258	18	0	240
Police	4,006	822	4,828	686	-	4,142
	14,678	7,801	22,479	3,307	3,056	22,228
Sewage Works	17,326	10,167	27,493	2,313	-	25,180
Min. of Envir. - Sewage Works	25,643	-	25,643	480	-	25,163
	42,969	10,167	53,136	2,793	-	50,343
Waterworks	16,767	-	16,767	2,340	-	14,427
Min. of Envir. - Waterworks	14,788	-	14,788	258	-	14,530
	31,555	-	31,555	2,598	-	28,957
TOTAL:	89,202	17,968	107,170	8,698	3,056	101,528

Projected Debt Charge Summary ($000's)
Regional Corporation

	1988	1989	1990	1991	1992
Projected Debt Charges					
By Function					
General	5,361	6,248	6,984	7,479	8,419
Sewage Works	7,608	9,827	12,141	11,709	12,157
Waterworks	6,205	5,863	6,931	6,256	6,258
TOTAL	19,174	21,938	26,056	25,444	26,834

(1) All new debt has been assumed to be issued at an interest rate of 10.5%.

(2) New Roads debt has been assumed to be issued for a term of five years; new Sewage and Waterworks debt for a term of 10 years; Police, Homes for the Aged and General new debt for terms of 5 and 10 years.

(3) The 1990 debt charges include principal payments of $1,600,000 for sewage and $900,000 for water to retire the "balloon" debenture issued in 1980. Annual contributions to the Refundable Debenture Reserve Funds are provided in the current sewer and water budgets for retirement of this outstanding debt in 1990.

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THE REGIONAL MUNICIPALITY OF NIAGARA

Projected Tax Supported Debt Charges ($000's)
Regional Corporation

	1988	1989	1990	1991	1992
Debt Charges Resulting From					
Existing Debt	5,131	4,448	3,933	3,172	2,876
Unfunded	125	673	954	1,161	1,161
1988 Capital Budget	105	1,019	1,019	1,019	1,019
1989-92 Capital Forecast	-	108	1,078	2,127	3,363
TOTAL	5,361	6,248	6,984	7,479	8,419

4311C

THE REGIONAL MUNICIPALITY OF NIAGARA

Projected Debt Charges for Sewage Projects ($000's)
Regional Corporation

	1988	1989	1990	1991	1992
Debt Charges Resulting From					
Existing Debt	4,306	4,010	5,355	3,388	2,841
Unfunded	198	1,670	2,639	2,806	2,808
M.O.E. Payments	3,104	3,104	3,104	3,105	3,105
1988 Capital Budget	-	1,043	1,043	1,043	1,043
1989-92 Capital Forecast	-	-		1,367	2,360
TOTAL	7,608	9,827	12,141	11,709	12,157

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THE REGIONAL MUNICIPALITY OF NIAGARA

Projected Debt Charges for Waterworks Projects ($000's)
Regional Corporation

	1988	1989	1990	1991	1992
Debt Charges Resulting From					
Existing Debt	4,511	4,169	5,028	3,917	3,361
Unfunded			166	216	216
M.O.E. Payments	1,694	1,694	1,694	1,694	1,694
1988 Capital Budget			43	43	43
1989-92 Capital Forecast	-			386	944
TOTAL	6,205	5,863	6,931	6,256	6,258

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THE REGIONAL MUNICIPALITY OF NIAGARA

Projection of 1988-1992 Debt Retirement ($000's)
Regional Corporation

	1988	1989	1990	1991	1992
General	3,307	3,179	3,620	3,734	4,280
Sewage Works	2,794	3,177	5,060	4,295	4,845
Waterworks	2,598	2,595	3,889	3,459	3,557
TOTAL	8,699	8,951	12,569	11,488	12,682

4311C

THE REGIONAL MUNICIPALITY OF NIAGARA

The Regional Municipality of Niagara
Projected Debenture Debt of The Regional Corporation
1988-1992 ($ 000's)

	Projected Debt at Dec 31/88	1989 Debt Retirement	1989 Program	Projected Debt at Dec 31/89	1990 Debt Retirement	1990 Program	Projected Debt at Dec 31/90	1991 Debt Retirement	1991 Program	Projected Debt at Dec 31/91	1992 Debt Retirement	1992 Program	Projected Debt at Dec 31/92
General	22,228	3,179	6,348	25,397	3,620	5,114	26,891	3,734	5,900	29,057	4,280	6,475	31,252
Sewage Works	25,180	2,647	12,073	34,606	4,476	9,250	39,380	3,651	5,970	41,699	4,137	1,775	39,337
M. of E.	25,163	530	-	24,633	584	-	24,049	644	-	23,405	709	-	22,696
Total Sewage	50,343	3,177	12,073	59,239	5,060	9,250	63,429	4,295	5,970	65,104	4,846	1,775	62,033
Waterworks	14,427	2,310	1,260	13,377	3,576	2,622	12,423	3,114	3,352	12,661	3,177	-	9,484
M. of E.	14,530	285	-	14,245	313	-	13,932	345	-	13,587	380	-	13,207
Total Water	28,957	2,595	1,260	27,622	3,889	2,622	26,355	3,459	3,352	26,248	3,557	-	22,691
Grand Total	101,528	8,951	19,681	112,258	12,569	16,986	116,675	11,488	15,222	120,409	12,683	8,250	115,976

Total Debt Charges as a Percentage of Total Current Budget ($ 000's)

	1988	1989	1990	1991	1992
Total Current Budget (Inflationary factor of 5%)	190,900	199,490	208,468	217,849	227,652
Total Debt Charges	19,174	21,938	26,056	25,444	26,834
Percentage Debt Charges of Current Budget	10.0%	11.0%	12.5%	11.7%	11.8%

SECTION 1
SUMMARY

THE REGIONAL MUNICIPALITY OF NIAGARA

1988-1992 CAPITAL BUDGET FORECAST

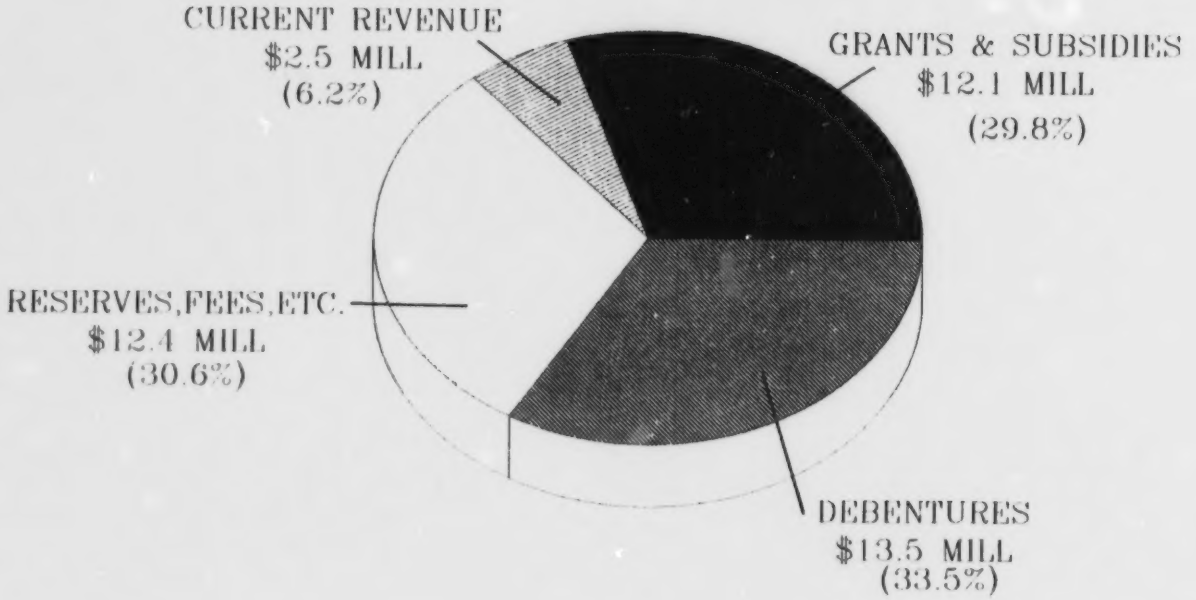
PROPOSED CAPITAL EXPENDITURES AND FINANCING SUMMARY

DEPARTMENT: Regional Municipality of Niagara

DIVISION:

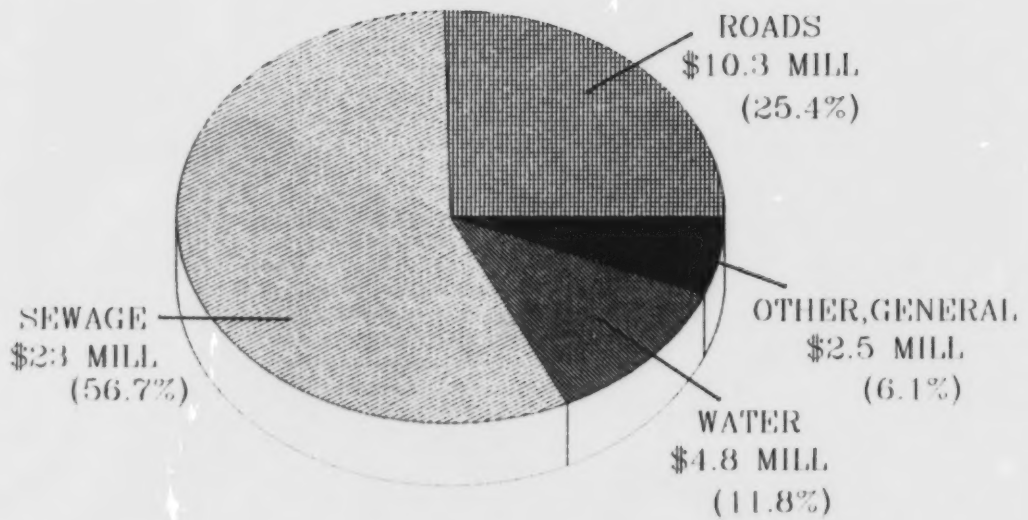
	1988	1989	1990	1991	1992
EXPENDITURES: (BY PROGRAM)					
General: Information Systems		200,000	200,000	200,000	200,000
Regional Police		1,500,000	500,000	450,000	2,000,000
Senior Citizens	299,000	270,000	2,564,000	9,556,000	55,000
Public Works					
- Regional Building	2,100,000	-	-	-	-
- Roads	10,285,000	14,179,500	10,750,000	10,800,000	11,200,000
- Environmental Services	135,000	165,000	150,000	150,000	150,000
- Sewage Works	22,985,000	15,110,000	12,600,000	8,575,000	12,000,000
- Waterworks	4,750,000	9,230,000	9,820,000	3,850,000	2,500,000
TOTAL PROPOSED EXPENDITURES	40,554,000	40,654,500	36,584,000	33,581,000	28,105,000
SOURCE OF FINANCING:					
GRANTS & SUBSIDIES	12,116,940	9,376,100	10,217,450	12,176,700	7,783,000
CURRENT REVENUE	2,503,700	2,974,350	3,525,000	3,925,000	4,097,000
USER REVENUE					
RESERVES	12,298,000	13,804,000	9,145,000	8,287,500	7,125,000
DEBENTURES - PRIOR TO 1988	2,679,600	-	150,000	-	-
- 1988-1992	10,840,760	13,580,050	13,286,550	9,191,800	9,100,000
OTHER	115,000	920,000	260,000	-	-
TOTAL PROPOSED FINANCING	40,554,000	40,654,500	36,584,000	33,581,000	28,105,000

CAPITAL FUNDING SOURCES–1988



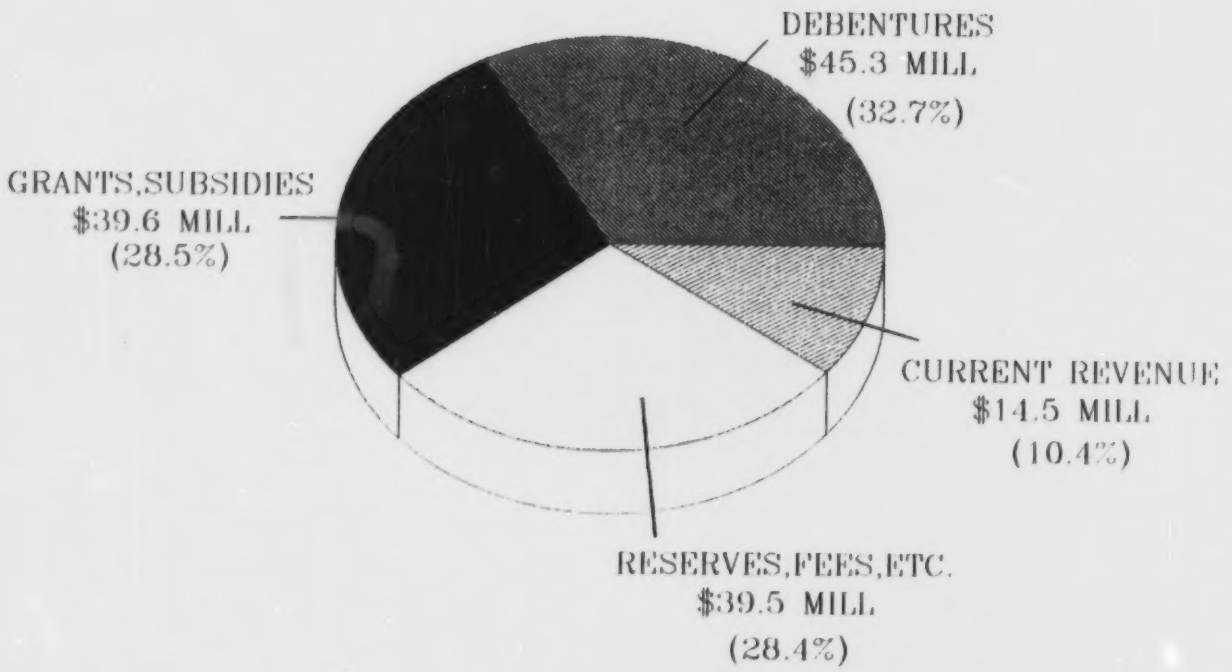
TOTAL–$40,554,000

CAPITAL EXPENDITURES – 1988



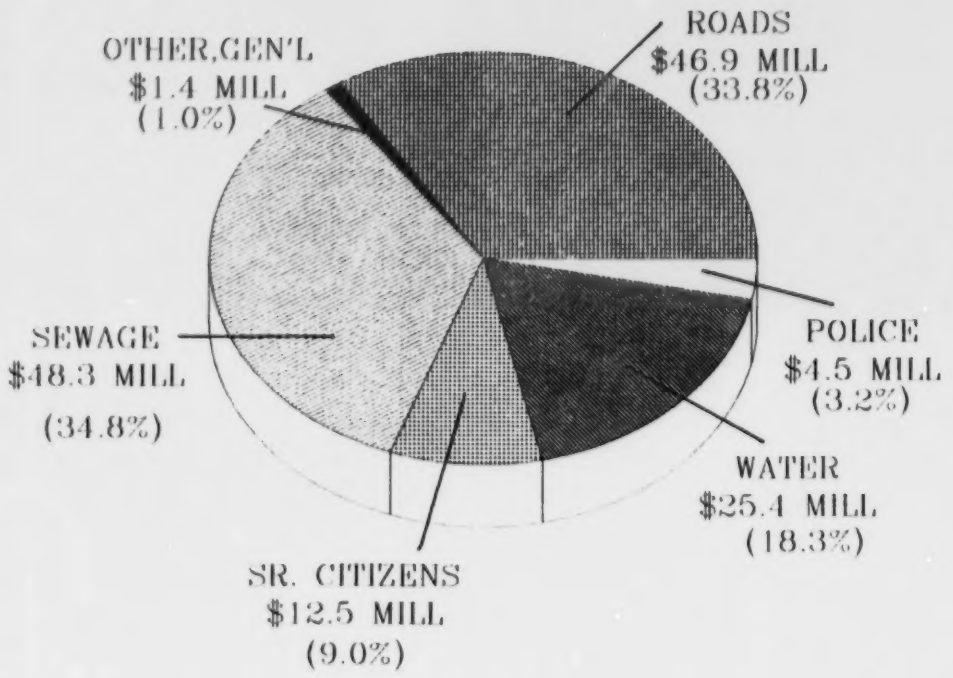
TOTAL – $40,554,000

CAPITAL FUNDING SOURCES–1989 TO 1992



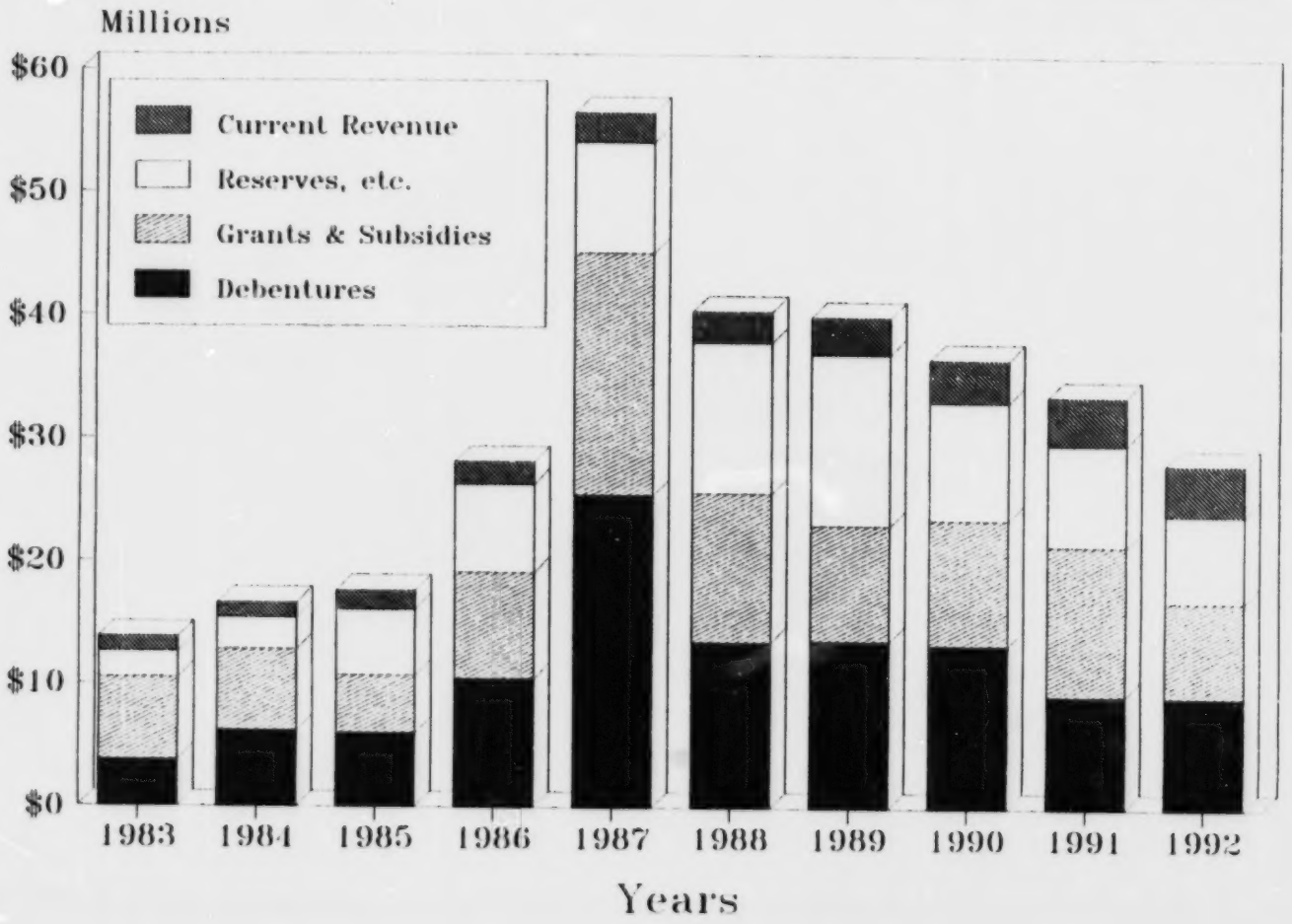
TOTAL–$138,924,500

CAPITAL EXPENDITURES–1989 TO 1992



TOTAL–$138,924,500

CAPITAL FINANCING TRENDS – 1983 TO 1992



SECTION 2

GENERAL

THE REGIONAL MUNICIPALITY OF NIAGARA
1988-1992 CAPITAL BUDGET FORECAST

PROPOSED CAPITAL EXPENDITURES AND FINANCING SUMMARY

DEPARTMENT: Finance
DIVISION:

	1988	1989	1990	1991	1992
EXPENDITURES: (BY PROGRAM)					
Information Systems		200,000	200,000	200,000	200,000
TOTAL PROPOSED EXPENDITURES		200,000	200,000	200,000	200,000
SOURCE OF FINANCING:					
GRANTS & SUBSIDIES					
CURRENT REVENUE					
USER REVENUE					
RESERVES					
DEBENTURES - PRIOR TO 1988					
- 1988-1992		200,000	200,000	200,000	200,000
OTHER					
TOTAL PROPOSED FINANCING		200,000	200,000	200,000	200,000

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Finance
PROGRAM: Information Systems

PROJECT DETAIL SHEET
PROJECT NO. GG89-1

1. PROJECT TITLE, DESCRIPTION & LOCATION

Information Systems -
Upgrading, expansion & replacement

2. LOCATION PLAN

Various locations throughout Regional Organization

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	200,000
UTILITY RELOCATIONS	
OTHER:	
1989 COSTS	$ 200,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1984-86	1,200,000
YEAR 1990-1992	600,000
TOTAL PROJECT COSTS	$ 2,000,000

3(B) FINANCING:

CURRENT REVENUE	
GRANTS & SUBSIDIES	
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	200,000
OTHER CONTRIBUTIONS:	
19 89 COSTS	$ 200,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR 1984-86	1,200,000
YEAR 1990-92	600,000
TOTAL PROJECT FINANCING	$ 2,000,000

4. NEED FOR PROJECT

Computer System Masterplan points to the need for either a system upgrade, expansion or replacement to the mainframe Honeywell DPS7 in 2-3 years. As well, office automation systems will be replaced and expanded over the next 3 years.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) nil

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ minimal

(maintenance costs of new equipment should be no more than maintenance costs on existing equipment)

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

1989-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Regional Niagara
DEPARTMENT: Finance
PROGRAM: Information Systems

PROJECT YEAR: 1989

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
G.G.89-1	Information Systems - Upgrading, Expansion & Replacement	200,000				200,000		200,000

81503 (Cost) (Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Regional Niagara
DEPARTMENT: Finance
PROGRAM: Information Systems

PROJECT YEAR: 1990

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
G.G.89-1	Information Systems - Upgrading, Expansion & Replacement	200,000				200,000		200,000

(Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1989-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Regional Niagara

DEPARTMENT: Finance

PROGRAM: Information Systems

PROJECT YEAR: 1991

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
G.G.89-1	Information Systems - Upgrading, Expansion & Replacement	200,000				200,000		200,000

(Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Regional Niagara
DEPARTMENT: Finance
PROGRAM: Information Systems

PROJECT YEAR: 1992

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
G.G.89-1	Information Systems - Upgrading, Expansion & Replacement	200,000				200,000		200,000

(Rev: - 1-81)

SECTION 3

BOARD OF COMMISSIONERS OF POLICE

THE REGIONAL MUNICIPALITY OF NIAGARA
1987 - 1991 CAPITAL BUDGET FORECAST

PROPOSED CAPITAL EXPENDITURES AND FINANCING SUMMARY

	1988	1989	1990	1991	1992
EXPENDITURES: (BY PROGRAM)					
Vehicle Terminals (mobile Digital terminals)		1,500,000			
Property			500,000		
Central Garage - and Quartermaster Stores				450,000	
Headquarters expansion					2,000,000
TOTAL PROPOSED EXPENDITURES		1,500,000	500,000	450,000	2,000,000
SOURCE OF FINANCING:					
GRANTS & SUBSIDIES					
CURRENT REVENUE					
USER REVENUE					
RESERVES			145,000		
DEBENTURES - PRIOR TO 1988			150,000		
1988 - 1992			205,000	450,000	2,000,000
OTHER					
TOTAL PROPOSED FINANCING		1,500,000	500,000	450,000	2,000,000

THE REGIONAL MUNICIPALITY OF NIAGARA
1987 - 1991 CAPITAL BUDGET FORECAST

MUNICIPALITY: NIAGARA REGION
DEPARTMENT: POLICE
PROGRAM: 1989 SUMMARY
PROJECT YEAR: 1989

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
NRP89-1	VEHICLE TERMINALS (Mobile Digital Terminals)	$1,500,000				$1,500,000		$1,500,000

(Rev: 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: REGIONAL NIAGARA
PROJECT: NIAGARA REGIONAL POLICE COMPUTERIZATION

PROJECT DETAIL SHEET
PROJECT NO. NRP89-1

1. PROJECT TITLE, DESCRIPTION & LOCATION	3(A) CAPITAL COSTS:		3(B) FINANCING:	
VEHICLE TERMINALS (Mobile Digital Terminals)	CONSTRUCTION		CURRENT REVENUE	
	ENGINEERING		GRANTS & SUBSIDIES	
	PROPERTY		RESERVES/RESERVE FUNDS	
	EQUIPMENT	$1,500,000	DEVELOPMENT FUNDS	
	UTILITY RELOCATIONS		DEBENTURES	$1,500,000
	OTHER:		OTHER CONTRIBUTIONS:	
	1989 COSTS	$1,500,000	1989 COSTS	$1,500,000
	PRIOR/SUBSEQUENT YEAR COSTS:		PRIOR/SUBSEQUENT YEAR FINANCING:	
	YEAR		YEAR	
	YEAR		YEAR	
	TOTAL PROJECT COSTS	$1,500,000	TOTAL PROJECT FINANCING	$1,500,000
2. LOCATION PLAN	4. NEED FOR PROJECT		5. EFFECT ON REVENUE BUDGET	
			NEW STAFF (NO.)	
			ESTIMATED INCREMENTAL OPERATING COSTS/YEAR	$
			6. CONFORMS WITH THE REGIONAL OFFICIAL PLAN	
			PLANNING DEPARTMENT	

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA
1987 - 1991 CAPITAL BUDGET FORECAST

MUNICIPALITY: NIAGARA REGION
DEPARTMENT: POLICE
PROGRAM: 1990 SUMMARY
PROJECT YEAR: 1990

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
NRP90-1	PROPERTY PURCHASE	$500,000		$145,000	RESERVE	$355,000	$150,000	$205,000

(Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: NIAGARA REGIONAL POLICE
PROJECT: PROPERTY

PROJECT DETAIL SHEET
PROJECT NO. NRP90-1

1. PROJECT TITLE, DESCRIPTION & LOCATION

PROPERTY ACQUISITION

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	$500,000
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1990 COSTS	$ 500,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 500,000

3(B) FINANCING:

CURRENT REVENUE	
GRANTS & SUBSIDIES	
RESERVES/RESERVE FUNDS	$145,000
DEVELOPMENT FUNDS	
DEBENTURES	$355,000
OTHER CONTRIBUTIONS:	
1990 COSTS	$ 500,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 500,000

4. NEED FOR PROJECT

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.)

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

PLANNING DEPARTMENT

B1C01 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA
1987 - 1991 CAPITAL BUDGET FORECAST

MUNICIPALITY: NIAGARA REGION
DEPARTMENT: POLICE
PROGRAM: 1991 SUMMARY

PROJECT YEAR: 1991

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
NRP91-1	CENTRAL GARAGE AND QUARTERMASTERS STORES	$450,000				$450,000		$450,000

(Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: REGIONAL NIAGARA
PROJECT: NIAGARA REGIONAL POLICE

PROJECT DETAIL SHEET
PROJECT NO. NRP91-1

1. PROJECT TITLE, DESCRIPTION & LOCATION	3(A) CAPITAL COSTS:		3(B) FINANCING:	
CENTRAL GARAGE - BAYS and QUARTERMASTER STORES	CONSTRUCTION	$450,000	CURRENT REVENUE	
	ENGINEERING		GRANTS & SUBSIDIES	
	PROPERTY		RESERVES/RESERVE FUNDS	
	EQUIPMENT		DEVELOPMENT FUNDS	
	UTILITY RELOCATIONS		DEBENTURES	$450,000
	OTHER:		OTHER CONTRIBUTIONS:	
	1991 COSTS	$ 450,000	1991 COSTS	$ 450,000
	PRIOR/SUBSEQUENT YEAR COSTS:		PRIOR/SUBSEQUENT YEAR FINANCING:	
	YEAR		YEAR	
	YEAR		YEAR	
	TOTAL PROJECT COSTS	$ 450,000	TOTAL PROJECT FINANCING	$ 450,000
2. LOCATION PLAN	4. NEED FOR PROJECT		5. EFFECT ON REVENUE BUDGET	
			NEW STAFF (NO.)	
			ESTIMATED INCREMENTAL OPERATING COSTS/YEAR	$
			6. CONFORMS WITH THE REGIONAL OFFICIAL PLAN	
			PLANNING DEPARTMENT	

THE REGIONAL MUNICIPALITY OF NIAGARA
1987 - 1991 CAPITAL BUDGET FORECAST

MUNICIPALITY: NIAGARA REGION
DEPARTMENT: POLICE
PROGRAM: 1992 SUMMARY

PROJECT YEAR: 1992

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
NRP92-1	HEADQUARTERS EXPANSION	$2,000,000				$2,000,000		$2,000,000

(Rev: - 1-91)

REGIONAL NIAGARA

DEPARTMENT: NIAGARA REGIONAL POLICE PROJECT DETAIL SHEET

PROJECT: HEADQUARTERS EXPANSION PROJECT NO.: NRP92-1

1. PROJECT TITLE, DESCRIPTION & LOCATION	3(A) CAPITAL COSTS:		3(B) FINANCING:	
HEADQUARTERS EXPANSION	CONSTRUCTION		CURRENT REVENUE	
	ENGINEERING		GRANTS & SUBSIDIES	
	PROPERTY		RESERVES/RESERVE FUNDS	
	EQUIPMENT		DEVELOPMENT FUNDS	
	UTILITY RELOCATIONS		DEBENTURES	$2,000,000
	OTHER:		OTHER CONTRIBUTIONS:	
	1992 COSTS	$2,000,000	1992 COSTS	$ 2,000,000
	PRIOR/SUBSEQUENT YEAR COSTS:		PRIOR/SUBSEQUENT YEAR FINANCING:	
	YEAR		YEAR	
	YEAR		YEAR	
	TOTAL PROJECT COSTS	$	TOTAL PROJECT FINANCING	$
2. LOCATION PLAN	4. NEED FOR PROJECT		5. EFFECT ON REVENUE BUDGET	
			NEW STAFF (NO.)	
			ESTIMATED INCREMENTAL OPERATING COSTS/YEAR	$
			6. CONFORMS WITH THE REGIONAL OFFICIAL PLAN	
			PLANNING DEPARTMENT	

SECTION 4
SENIOR CITIZENS

THE REGIONAL MUNICIPALITY OF NIAGARA
1988-1992 CAPITAL BUDGET FORECAST

PROPOSED CAPITAL EXPENDITURES AND FINANCING SUMMARY

DEPARTMENT: Senior Citizens
DIVISION:

	1988	1989	1990	1991	1992
LINHAVEN					
Parking Lot Repairs	20,000	30,000	33,000		
Furniture Replacement/ Decorating	32,000				
Dishwasher		40,000			
Van				28,000	
Renovations			2,500,000		
	52,000	70,000	2,533,000	28,000	-
SUNSET HAVEN					
Exhaust Fans	20,000				
Bed Pan Flusher	30,000				
Drywall Replacement	35,000				
Furniture Replacement/ Decorating	20,000	20,000			
Air Conditioning	10,000	50,000			
Automatic Sliding Doors		20,000			
Replace Wooden Doors		20,000			
Pickup Truck			14,000		
Van				28,000	
Renovations				9,500,000	
	115,000	110,000	14,000	9,528,000	-

THE REGIONAL MUNICIPALITY OF NIAGARA
1988-1992 CAPITAL BUDGET FORECAST

PROPOSED CAPITAL EXPENDITURES AND FINANCING SUMMARY

DEPARTMENT: Senior Citizens
DIVISION:

	1988	1989	1990	1991	1992
NORTHLAND MANOR					
Van	28,000				
Kitchen Equipment		15,000			
Parking Lot Expansion		25,000			
Enclose Nurse Stations		4,000			
Furniture Replacement/ Decorating			17,000		
	28,000	44,000	17,000	-	-
DORCHESTER MANOR					
Architectural Study	20,000				
Furniture Replacement/ Decorating	13,000				
	33,000	-	-	-	-
UPPER CANADA LODGE					
Bus	46,000	-	-	-	-
SATELLITE HOMES					
Van	25,000	-	-	-	-
DAY CARE					
Bus	-	46,000	-	-	55,000
TOTAL:	299,000	270,000	2,564,000	9,556,000	55,000

THE REGIONAL MUNICIPALITY OF NIAGARA
1988-1992 CAPITAL BUDGET FORECAST

PROPOSED CAPITAL EXPENDITURES AND FINANCING SUMMARY

DEPARTMENT: Senior Citizens
DIVISION:

	1988	1989	1990	1991	1992
TOTAL PROPOSED EXPENDITURES	299,000	270,000	2,564,000	9,556,000	55,000
SOURCES OF FINANCING					
Grants and Subsidies	198,300	175,400	1,294,800	4,789,200	33,000
Current Revenue	100,700	94,600	250,000	250,000	22,000
User Revenue					
Reserves					
Debentures: Prior to 1988					
1988 - 1992			1,019,200	4,516,800	
TOTAL PROPOSED FINANCING:	299,000	270,000	2,564,000	9,556,000	55,000

THE REGIONAL MUNICIPALITY OF NIAGARA

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Regional Niagara

DEPARTMENT: Senior Citizens

PROGRAM:

PROJECT YEAR: 1988

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
HA88-1	Linhaven Parking Lot Repairs Phase 1	20,000	6,000	14,000	M.C.S.S.			
HA88-2	Linhaven Furniture Replacement/Decorating	32,000	9,600	22,400	M.C.S.S.			
HA88-3	Sunset Haven Exhaust Fans	20,000	10,000	10,000	M.C.S.S.			
HA88-4	Sunset Haven Bed Pan Flusher	30,000	9,000	21,000	M.C.S.S.			
HA88-5	Sunset Haven Drywall Replacement	35,000	17,500	17,500	M.C.S.S.			
HA88-6	Sunset Haven Furniture Replacement	20,000	6,000	14,000	M.C.S.S.			
HA88-7	Sunset Haven Van Re: Satellite Homes	25,000	7,500	17,500	M.C.S.S.			
HA88-8	Northland Manor Van	28,000	8,400	19,600	M.C.S.S.			
HA88-9	Dorchester Manor Architectural Study	20,000	6,000	14,000	M.C.S.S.			
HA88-10	Dorchester Manor Furniture Replacement/ Decorating	13,000	3,900	9,100	M.C.S.S.			
HA88-11	Niagara-on-the-Lake Home Van	46,000	13,800	32,200	M.C.S.S.			
HA88-12	Sunset Haven - Air Conditioning	10,000	3,000	7,000	M.C.S.S.			
	TOTAL:	299,000	100,700	198,300				

(Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-1

1. PROJECT TITLE, DESCRIPTION & LOCATION

Linhaven Parking Lot Repairs

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	20,000
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1989	30,000
YEAR 1990	33,000
TOTAL PROJECT COSTS	$ 83,000

3(B) FINANCING:

CURRENT REVENUE	6,000
GRANTS & SUBSIDIES	14,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR 1989	30,000
YEAR 1990	33,000
TOTAL PROJECT FINANCING	$ 83,000

4. NEED FOR PROJECT

Road surface is twenty to twenty-five years old, and has cracks and potholes. Curbs have deteriorated.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. IIA88-2

1. PROJECT TITLE, DESCRIPTION & LOCATION

Linhaven Furniture Replacement /Decorating

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	32,000
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 32,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 32,000

3(B) FINANCING:

CURRENT REVENUE	9,600
GRANTS & SUBSIDIES	22,400
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 32,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 32,000

4. NEED FOR PROJECT

This Furniture is worn past repair, and has already been reupholstered once.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-3

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Exhaust Fans

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	20,000
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 20,000

3(B) FINANCING:

CURRENT REVENUE	10,000
GRANTS & SUBSIDIES	10,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 20,000

4. NEED FOR PROJECT

Installation of Exhaust Fans in washrooms and tubrooms to relieve the high heat and humidity during summer months. Improvement of air quality would allow residents and staff to stay in these areas longer.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $_____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allen Veale
PLANNING DEPARTMENT

BI301 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-4

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Bed Pan Flusher

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	30,000
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 30,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 30,000

3(B) FINANCING:

CURRENT REVENUE	9,000
GRANTS & SUBSIDIES	21,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 30,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 30,000

4. NEED FOR PROJECT

During the conversion from steam to hot water, Sunset Haven has gradually eliminated the use of steam. The final stage of the conversion is to convert or replace the existing steam operated bed pan flushers.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-5

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Drywall Replacement

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	35,000
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 35,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 35,000

3(B) FINANCING:

CURRENT REVENUE	17,500
GRANTS & SUBSIDIES	17,500
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 35,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 35,000

4. NEED FOR PROJECT

Attempts at replastering areas which have experienced plaster "popping" off the walls have been unsuccessful. An architect was contacted to evaluate the situation and presented three options. Staff recommend that the affected areas be encapsulated with drywall.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM:

PROJECT DETAIL SHEET
PROJECT NO. HA88-6

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Furniture
Replacement/Decorating

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	20,000
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1987	100,000
YEAR 1989	20,000
TOTAL PROJECT COSTS	$ 140,000

3(B) FINANCING:

CURRENT REVENUE	6,000
GRANTS & SUBSIDIES	14,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR 1987	100,000
YEAR 1989	20,000
TOTAL PROJECT FINANCING	$ 140,000

4. NEED FOR PROJECT

This phase is the second of three which replace old, damaged and outdated furniture throughout Sunset Haven.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.)

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allen Veale
PLANNING DEPARTMENT

PI001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-7

1. PROJECT TITLE, DESCRIPTION & LOCATION

Satellite Homes Van

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	25,000
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 25,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 25,000

3(B) FINANCING:

CURRENT REVENUE	7,500
GRANTS & SUBSIDIES	17,500
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 25,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 25,000

4. NEED FOR PROJECT

Replacement of vehicle which requires extensive mechanical and body work repairs to comply with safety standards.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-8

1. PROJECT TITLE, DESCRIPTION & LOCATION

Northland Manor Van

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	28,000
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 28,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 28,000

3(B) FINANCING:

CURRENT REVENUE	8,400
GRANTS & SUBSIDIES	19,600
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 28,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 28,000

4. NEED FOR PROJECT

Replacement of vehicle which requires extensive mechanical and body work repairs to comply with safety standards.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allen Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: SEnior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-9

1. PROJECT TITLE, DESCRIPTION & LOCATION

Dorchester Manor Architectural Study

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	20,000
1988 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 20,000

3(B) FINANCING:

CURRENT REVENUE	6,000
GRANTS & SUBSIDIES	14,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 20,000

4. NEED FOR PROJECT

Engage the services of an architect to determine ways to incorporate more office space, resident activity space, resident washrooms and accommodation in order to return Home to its original bed capacity.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

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PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-10

1. PROJECT TITLE, DESCRIPTION & LOCATION

Dorchester Manor Furniture Replacement/Decorating

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 13,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1987	30,000
YEAR	
TOTAL PROJECT COSTS	$ 43,000

3(B) FINANCING:

CURRENT REVENUE	3,900
GRANTS & SUBSIDIES	9,100
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 13,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR 1987	30,000
YEAR	
TOTAL PROJECT FINANCING	$ 43,000

4. NEED FOR PROJECT

As part of the overall plan of decorating and updating furniture, dining room and lounge furniture will be replaced with more comfortable items which will better accommodate more wheelchair residents and meet the needs of the higher level of care resident.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allen Veale
PLANNING DEPARTMENT

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THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM:

PROJECT DETAIL SHEET
PROJECT NO. HA88-11

1. PROJECT TITLE, DESCRIPTION & LOCATION

Upper Canada Lodge Bus

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	46,000
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 46,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 46,000

3(B) FINANCING:

CURRENT REVENUE	13,800
GRANTS & SUBSIDIES	32,200
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 46,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 46,000

4. NEED FOR PROJECT

To provide transportation for Activation Department and Day Care at new Home in Niagara-on-the-Lake.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.)

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allen Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA88-12

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Air Conditioning

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER: Feasibility Study	10,000
1988 COSTS	$ 10,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1989	50,000
YEAR	
TOTAL PROJECT COSTS	$ 60,000

3(B) FINANCING:

CURRENT REVENUE	3,000
GRANTS & SUBSIDIES	7,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 10,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR 1989	50,000
YEAR	
TOTAL PROJECT FINANCING	$ 60,000

4. NEED FOR PROJECT

During 1988, a feasibility study will be done by a consultant with regard to installing air conditioning at Sunset Haven and the other three existing Homes. The 1989 amount is being budgeted in anticipation of the recommendations with regard to Sunset Haven.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA
1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Region Niagara
DEPARTMENT: Senior Citizens
PROGRAM:

PROJECT YEAR: 1989

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
HA88-1	Linhaven Parking Lot Repairs	30,000	9,000	21,000	M.C.S.S.			
HA89-1	Linhaven Dishwasher	40,000	12,000	28,000	M.C.S.S.			
HA88-6	Sunset Haven Furniture Replacement/Decorating	20,000	6,000	14,000	M.C.S.S.			
HA88-12	Sunset Haven Air Conditioning	50,000	15,000	35,000	M.C.S.S.			
HA89-2	Sunset Haven Automatic Sliding Doors	20,000	10,000	10,000	M.C.S.S.			
HA89-3	Sunset Haven Replace Wooden Doors	20,000	6,000	14,000	M.C.S.S.			
HA89-4	Northland Manor Kitchen Equipment	15,000	4,500	10,500	M.C.S.S.			
HA89-5	Northland Manor Parking Lot Expansion	25,000	12,500	12,500	M.C.S.S.			
HA89-6	Northland Manor Enclose Nurse Stations	4,000	1,200	2,800	M.C.S.S.			
HA89-7	Upper Canada Lodge Day Care Bus	46,000	18,400	27,600	M.C.S.S.			
	TOTAL:	270,000	94,600	175,400				

81003 (Cap) (Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM:

PROJECT DETAIL SHEET
PROJECT NO. HA89-1

1. PROJECT TITLE, DESCRIPTION & LOCATION

Linhaven Dishwasher

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	40,000
UTILITY RELOCATIONS	
OTHER:	
1989 COSTS	$ 40,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 40,000

3(B) FINANCING:

CURRENT REVENUE	12,000
GRANTS & SUBSIDIES	28,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1989 COSTS	$ 40,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 40,000

4. NEED FOR PROJECT

Replacement of main kitchen dishwasher which is at the end of its life expectancy.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.)

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA89-2

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Automatic Sliding Doors

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	20,000
UTILITY RELOCATIONS	
OTHER:	
1989 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 20,000

3(B) FINANCING:

CURRENT REVENUE	10,000
GRANTS & SUBSIDIES	10,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1989 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 20,000

4. NEED FOR PROJECT

To replace existing aluminum and glass doors at the ambulance entrance. This entrance is constantly used by staff, moving buggies in and out of the building, and by ambulance attendants picking up and dropping off residents at the Home.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA89-3

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven - Replace Wooden Doors

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	20,000
UTILITY RELOCATIONS	
OTHER:	
1989 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 20,000

3(B) FINANCING:

CURRENT REVENUE	6,000
GRANTS & SUBSIDIES	14.000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1989 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 20,000

4. NEED FOR PROJECT

To replace wood laminated doors with solid core, laminated arborite doors throughout the Home. Hardware such as door knobs, hinges and closers would also be replaced.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allen Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA89-4

1. PROJECT TITLE, DESCRIPTION & LOCATION

Northland Manor - Kitchen Equipment

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	15,000
UTILITY RELOCATIONS	
OTHER:	
1989 COSTS	$ 15,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 15,000

3(B) FINANCING:

CURRENT REVENUE	4,500
GRANTS & SUBSIDIES	10,500
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1989 COSTS	$ 15,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 15,000

4. NEED FOR PROJECT

Replacement of steam-operated cooking equipment which is at the end of its useful life. Any major breakdown of the current equipment would be beyond repair.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allen Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. IIA89-5

1. PROJECT TITLE, DESCRIPTION & LOCATION

Northland Manor Parking Lot Expansion

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1989 COSTS	$ 25,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 25,000

3(B) FINANCING:

CURRENT REVENUE	12,500
GRANTS & SUBSIDIES	12,500
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1989 COSTS	$ 25,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 25,000

4. NEED FOR PROJECT

Resurfacing and expansion of front driveway and parking area. This project will provide an additional ten visitors' parking spaces.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA89-6

1. PROJECT TITLE, DESCRIPTION & LOCATION

Northland Manor Enclose
Nuse Stations

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	4,000
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1989 COSTS	$ 4,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 4,000

3(B) FINANCING:

CURRENT REVENUE	1,200
GRANTS & SUBSIDIES	2,800
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1989 COSTS	$ 4,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 4,000

4. NEED FOR PROJECT

To ensure confidentiality of medical records and provide better working environment for Registered Nurse.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA89-7

1. PROJECT TITLE, DESCRIPTION & LOCATION

Upper Canada Lodge Day Care Bus

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1989 COSTS	$ 46,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 46,000

3(B) FINANCING:

CURRENT REVENUE	18,400
GRANTS & SUBSIDIES	27,600
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1989 COSTS	$ 46,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 46,000

4. NEED FOR PROJECT

To provide more efficient transportation for Day Care Program. (Vehicle is currently shared with Home's Activitation Department)

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
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THE REGIONAL MUNICIPALITY OF NIAGARA

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Region Niagara

DEPARTMENT: Senior Citizens

PROGRAM:

PROJECT YEAR: 1990

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
HA88-1	Linhaven Parking Lot Repairs	33,000	9,900	23,100	M.C.S.S.			
HA86-8	Linhaven Renovations	2,500,000	230,800	1,250,000	M.C.S.S.	1,019,200	-	1,019,200
HA90-1	Sunset Haven Pickup Truck	14,000	4,200	9,800	M.C.S.S.			
HA90-2	Northland Furniture Replacement/Decorating	17,000	5,100	11,900	M.C.S.S.			
	TOTAL:	2,564,000	250,000	1,294,800		1,019,200		1,019,200

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THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA86-8

1. PROJECT TITLE, DESCRIPTION & LOCATION

Linhaven Renovations

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	2,500,000
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1990 COSTS	$ 2,500,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1987-89	8,000,000
YEAR	
TOTAL PROJECT COSTS	$10,500,000

3(B) FINANCING:

CURRENT REVENUE	230,800
GRANTS & SUBSIDIES	1,250,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	1,019,200
OTHER CONTRIBUTIONS:	
1990 COSTS	$ 2,500,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR 1987-89	8,000,000
YEAR	
TOTAL PROJECT FINANCING	$10,500,000

4. NEED FOR PROJECT

The original $8,000,000 budget did not provide a practical solution to problem of resident accommodation during renovations. In 1987, Council approved construction of a 40-bed wing to solve this problem, thus reducing renovation budget by $2,500,000. This amount is being re-budgeted in 1990 for the last phase of renovations.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Allan Veale
PLANNING DEPARTMENT

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THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM:

PROJECT DETAIL SHEET
PROJECT NO. HA90-1

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Pickup Truck

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	14,000
UTILITY RELOCATIONS	
OTHER:	
1990 COSTS	$ 14,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 14,000

3(B) FINANCING:

CURRENT REVENUE	4,200
GRANTS & SUBSIDIES	9,800
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1990 COSTS	$ 14,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 14,000

4. NEED FOR PROJECT

Replacement of vehicle which requires extensive mechanical and body work repairs to comply with safety standards.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.)

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

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THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA90-2

1. PROJECT TITLE, DESCRIPTION & LOCATION

Northland Manor Furniture Replacement/Decorating

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	17,000
UTILITY RELOCATIONS	
OTHER:	
1990 COSTS	$ 17,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 17,000

3(B) FINANCING:

CURRENT REVENUE	5,100
GRANTS & SUBSIDIES	11,900
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1990 COSTS	$ 17,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 17,000

4. NEED FOR PROJECT

Replacement of main dining room furnishings and upgrading of dining room environment to provide a more home-like level of comfort and appearance.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA
1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Region Niagara
DEPARTMENT: Senior Citizens
PROGRAM:

PROJECT YEAR: 1991

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
HA91-1	Linhaven Van	28,000	8,400	19,600	M.C.S.S.			
HA91-2	Sunset Haven Van	28,000	8,400	19,600	M.C.S.S.			
HA91-3	Sunset Haven Renovations	9,500,000	233,200	4,750,000	M.C.S.S.	4,516,800		4,516,800
	TOTAL:	9,556,000	250,000	4,789,200		4,516,800		4,516,800

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THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA91-1

1. PROJECT TITLE, DESCRIPTION & LOCATION

Linhaven Van

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	28,000
UTILITY RELOCATIONS	
OTHER:	
1991 COSTS	$ 28,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 28,000

3(B) FINANCING:

CURRENT REVENUE	8,400
GRANTS & SUBSIDIES	19,600
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1991 COSTS	$ 28,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 28,000

4. NEED FOR PROJECT

Replacement of vehicle which requires extensive mechanical and body work repairs to comply with safety standards.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA91-2

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Van

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	28,000
UTILITY RELOCATIONS	
OTHER:	
1991 COSTS	$ 28,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 28,000

3(B) FINANCING:

CURRENT REVENUE	8,400
GRANTS & SUBSIDIES	19,600
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1991 COSTS	$ 28,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 28,000

4. NEED FOR PROJECT

Replacement of vehicle which requires extensive mechanical and body work repairs to comply with safety standards.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

R1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM:

PROJECT DETAIL SHEET
PROJECT NO. HA91-3

1. PROJECT TITLE, DESCRIPTION & LOCATION

Sunset Haven Renovations

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	9,500,000
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1991 COSTS	$9,500,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$9,500,000

3(B) FINANCING:

CURRENT REVENUE	233,200
GRANTS & SUBSIDIES	4,750,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	4,516,800
OTHER CONTRIBUTIONS:	
1991 COSTS	$9,500,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$9,500,000

4. NEED FOR PROJECT

Updating and renovating to comply with current standards, as per architectural study.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.)

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Region Niagara

DEPARTMENT: Senior Citizens

PROGRAM:

PROJECT YEAR: 1992

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
HA92-1	Day Care Bus	55,000	22,000	33,000	M.C.S.S.			
	TOTAL:	55,000	22,000	33,000				

(Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: Senior Citizens
PROGRAM: _____

PROJECT DETAIL SHEET
PROJECT NO. HA92-1

1. PROJECT TITLE, DESCRIPTION & LOCATION

Day Care Bus

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	55,000
UTILITY RELOCATIONS	
OTHER:	
1992 COSTS	$ 55,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	
YEAR _____	
TOTAL PROJECT COSTS	$ 55,000

3(B) FINANCING:

CURRENT REVENUE	22,000
GRANTS & SUBSIDIES	33,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1992 COSTS	$ 55,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR _____	
YEAR _____	
TOTAL PROJECT FINANCING	$ 55,000

4. NEED FOR PROJECT

Replacement of vehicle which requires extensive mechanical and body work repairs to comply with safety standards.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.) _____

ESTIMATED INCREMENTAL OPERATING COSTS/YEAR $ _____

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

Alan Veale
PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

SECTION 5

PUBLIC WORKS

REGIONAL BUILDINGS

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Regional Buildings

PROJECT YEAR: 1988

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1988 GROSS AMOUNT	REVENUE				
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION		PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
							AMOUNT	SOURCE		
RB87-1	Thorold Patrol Yard Phase III Developement (Fleet and Building Maintenance) - Construction	2,600,000	500,000	0	2,100,000	300,000				1,800,000
	SUB-TOTAL	2,600,000	500,000	0	2,100,000	300,000	0		0	1,800,000

REVISED JAN 13/88

4 0153

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. RB87-1

11. PROJECT LOCATION & DESCRIPTION

Phase III Development, Thorold Patrol Yard (Fleet Maintenance and Building Maintenance), Thorold

12. NEED FOR PROJECT

Expansion of the Thorold Patrol Yard is necessitated by the expiration of Niagara's leased facilities at Dunkirk Road, St Catharines

13. (a) CAPITAL COSTS

Construction	2,100,000
Engineering	
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	2,100,000
Prior/Subsequent year costs:	
Year 1987	500,000
Year	0
TOTAL PROJECT COST:	2,600,000

13. (b) FINANCING

Current Revenue	300,000
Grants/Subsidies	
Reserve Funds	
Development Funds	
Debentures	1,800,000
Contributions	
1988 Financing:	2,100,000
Prior/subsequent year financing	
Year 1987	500,000
Year	0
TOTAL FINANCING:	2,600,000

14. LOCATION PLAN

15. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $ _____

16. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0153

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Regional Buildings

PROJECT YEAR: 1989

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1989 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
RB89-1	Additional Administrative Space Niagara's Space Requirements Task Force is currently reviewing Niagara's long term space requirements with a goal towards implementing solutions by 1991. Should that solution involve construction of new facilities, funding will be required in 1989 for pre-design and design with the majority of funding being required in 1990 for construction.									
	SUB-TOTAL	0	0	0	0	0	0		0	0

REVISED JAN 13/88

4 016J

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Regional Buildings

PROJECT YEAR: 1990

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1990 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
RB89-11	Additional Administrative Space									
	See note on previous page.									
	SUB-TOTAL	0	0	0	0	0	0		0	0

REVISED JAN 13/88

4 0161

SECTION 6

PUBLIC WORKS

ROADS

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Regional Niagara
DEPARTMENT : Public Works
PROGRAM : Roads

PROJECT YEAR: 1988

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1988 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
R85-1	Reconstruction of NR95 (Linwell Road) from NR46 (Geneva Street) to NR48 (Niagara Street) St. Catharines	3,100,000	1,035,000	1,000,000						
	a) Phase I and utility relocation carry-over		250,000				125,000	MTO	125,000	
	b) Phase III, Niagara St. to Walkers Creek				815,000		350,000	MTO		350,000
							115,000	CITY		
R87-13	Waterproofing and repairs to NR51 (Lundy's Lane) Bridge, Niagara Falls	200,000	25,000	0	175,000		87,500	MTO		87,500
R87-15	Deck Replacement on NR8 (Moverton Road) Bridge, Grimsby	190,000	25,000	0	165,000		82,500	MTO		82,500
R88-1	Rehabilitation of NR1 (Michener Road and Farr Avenue) from Pleasant Beach Road to Ridgeway Road, Port Colborne and Fort Erie	1,200,000	70,000	0	1,130,000		565,000	MTO		565,000
R88-2	Rehabilitation of NR69 (Twenty Road) from NR24 (Townline Road) to Maple Street, Pelham	550,000	30,000	0	520,000		260,000	MTO		260,000
	SUB-TOTAL	5,240,000	1,435,000	1,000,000	2,805,000	0	1,585,000		125,000	1,345,000

REVISED JAN 29/88

4 0163

MUNICIPALITY: Regional Niagara
DEPARTMENT : Public Works
PROGRAM : Roads

PROJECT YEAR: 1988

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1988 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
R88-3	Rehabilitation of NR72 (Louth Street) from NR69 (Pelham Road) to Rykert Street, St. Catharines	1,280,000	60,000	1,120,000	100,000		50,000	MTO		50,000
R88-4	Rehabilitation of NR569 (St. Ann's Road) from NR69 (Twenty Road) to Highway 20, West Lincoln	400,000	40,000	0	360,000		180,000	MTO		180,000
R88-5	Rehabilitation of NR66 (King Street) from NR3 (Main Street) to NR5 (Killaly Street), Port Colborne	1,370,000	0	1,270,000	100,000		50,000	MTO		50,000
R88-6	Bridge Inspection Program	50,000	0	0	50,000	25,000	25,000	MTO		0
R88-7	Structure Rehabilitation Program	600,000	0	0	600,000		300,000	MTO		300,000
R88-8	Roads Rehabilitation Program	4,625,000	0	0	4,625,000	1,690,500	2,353,500	MTO		581,000
R88-9	Storm Sewer Cost Sharing	250,000	0	0	250,000	150,000	100,000	MTO		0
R88-10	Railway Crossing Improvements	35,000	0	0	35,000	17,500	17,500	MTO		0
R88-11	Traffic Signal Program	300,000	0	0	300,000	150,000	150,000	MTO		0
	TOTAL	14,150,000	1,535,000	3,390,000	9,225,000	12,033,000	4,811,000		125,000	2,506,000

REVISED JAN 13/88

4 0164

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: Regional Niagara
DEPARTMENT : Public Works
PROGRAM : Roads

PROJECT YEAR: 1988

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1988 GROSS AMOUNT	REVENUE: CAPITAL LEVY RESERVE FUND	REVENUE: SUBSIDY AND CONTRIBUTION AMOUNT	REVENUE: SUBSIDY AND CONTRIBUTION SOURCE	PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
R88-12	Drainage Assessments	25,000	0	0	25,000	12,500	12,500	MTO		0
R88-13	Road Betterment Program	410,000	0	0	410,000	205,000	205,000	MTO		0
R88-14	Miscellaneous Properties	130,000	0	0	130,000	65,000	65,000	MTO		0
R86-6	Construction of new Broadway Street Bridge over Old Welland Canal, Welland	3,500,000	80,000	3,200,000	220,000	0	220,000	CANAL FUND		0
R86-4	Functional Planning Study	135,000	110,000	0	25,000	12,500	12,500	MTO		0
	TOTAL	118,350,000	1,725,000	6,590,000	110,035,000	12,328,000	5,326,000		125,000	2,506,000
	Roads Maintenance - MTC subsidizable portion PRELIMINARY	110,236,905	0	0	110,236,905	15,118,453	5,118,453	MTO	0	0
	TOTAL	128,585,905	1,725,000	6,590,000	120,271,905	17,446,453	10,444,453		125,000	2,506,000

REVISED JAN 29/88

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R85-1

1. PROJECT LOCATION & DESCRIPTION

Reconstruction of Niagara Road 95 (Linwell Road) from Niagara Road 46 (Geneva Street) to Niagara Road 48 (Niagara Street), St Catharines

2. NEED FOR PROJECT

The 1985 Roads Needs Study Update indicated that this section of Linwell Road is structurally deficient and has a drainage problem. The design began in 1985 and construction is being carried out over 3 years 1987 to 1989.

3. (a) CAPITAL COSTS

Construction	689,000
Engineering	45,000
Property	20,000
Utility Relocations	50,000
Traffic Signal	
Others	11,000
1988 COSTS	815,000
Prior/Subsequent year costs:	
Year 1985-87	1,285,000
Year 1989	1,000,000
TOTAL PROJECT COST:	3,100,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	350,000
Reserve Funds	
Development Funds	
Debentures	350,000
Contributions	115,000
1988 Financing:	815,000
Prior/subsequent year financing	
Year 1985-87	1,285,000
Year 1989	1,000,000
TOTAL FINANCING:	3,100,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $0

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0169

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R87-13

1. PROJECT LOCATION & DESCRIPTION

Waterproofing and Repairs to Structure 05102 (North Bridge), on Niagara Road 51 (Lundy's Lane) Bridge over Hydro Canal, Niagara Falls

2. NEED FOR PROJECT

A bridge condition survey undertaken in 1986 resulted in recommendations for repair to the superstructue. Design work was undertaken in 1987.

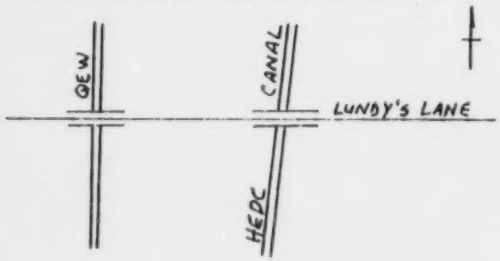
3. (a) CAPITAL COSTS

Construction	165,000
Engineering	10,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	175,000
Prior/Subsequent year costs:	
Year 1987	25,000
Year	0
TOTAL PROJECT COST:	200,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	87,500
Reserve Funds	
Development Funds	
Debentures	87,500
Contributions	
1988 Financing:	175,000
Prior/subsequent year financing	
Year 1987	25,000
Year	0
TOTAL FINANCING:	200,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0197

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R87-15

1. PROJECT LOCATION & DESCRIPTION

Deck Replacement of Structure 00801, Niagara Road 8 (Wolverton Road) Bridge over 40 Mile Creek, Grimsby

2. NEED FOR PROJECT

A bridge condition survey undertaken in 1986 resulted in posting the Wolverton Road Bridge with a 10 tonne load limit and a recommendation for replacement of the bridge deck.

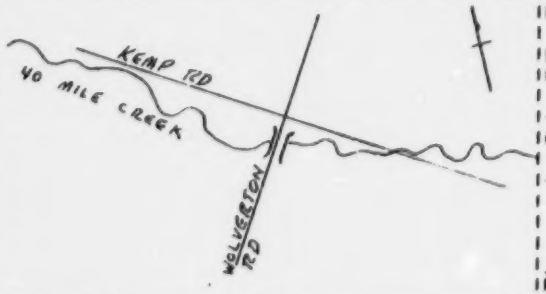
3. (a) CAPITAL COSTS

Construction	145,000
Engineering	10,000
Property	
Utility Relocations	
Traffic Signal	
Others	10,000
1988 COSTS	165,000
Prior/Subsequent year costs:	
Year 1987	25,000
Year	0
TOTAL PROJECT COST:	190,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	82,500
Reserve Funds	
Development Funds	
Debentures	82,500
Contributions	
1988 Financing:	165,000
Prior/subsequent year financing	
Year 1987	25,000
Year	0
TOTAL FINANCING:	190,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0193

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-1

1. PROJECT LOCATION & DESCRIPTION

Rehabilitation of Niagara Road 1 (Michener Road, Farr Avenue) from Pleasant Beach Road to Ridgeway Road, Port Colborne/Fort Erie

2. NEED FOR PROJECT

Michener Road and Farr Avenue have been identified by Niagara's Pavement Management program as being structually deficient and in need of reconstruction. Design work started in 1987.

3. (a) CAPITAL COSTS

Construction	1,020,000
Engineering	60,000
Property	
Utility Relocations	
Traffic Signal	
Others	50,000
1988 COSTS	1,130,000
Prior/Subsequent year costs:	
Year 1987	70,000
Year	0
TOTAL PROJECT COST:	1,200,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	565,000
Reserve Funds	
Development Funds	
Debentures	565,000
Contributions	
1988 Financing:	1,130,000
Prior/subsequent year financing	
Year 1987	70,000
Year	0
TOTAL FINANCING:	1,200,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0183

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-2

1. PROJECT LOCATION & DESCRIPTION

Rehabilition of Niagara Road 69 (Twenty Road) from Niagara Road 24 (Townline Road) to Maple Street, Pelham

(Sub-Prog RC8728)

2. NEED FOR PROJECT

Twenty Road has been identified by Niagara's Pavement Management program as being structually deficient and in need of reconstruction. Design work commenced in 1987.

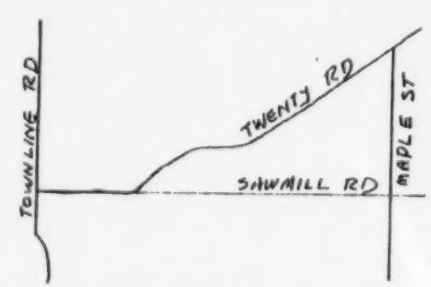
3. (a) CAPITAL COSTS

Construction	500,000
Engineering	10,000
Property	
Utility Relocations	
Traffic Signal	
Others	10,000
1988 COSTS	520,000
Prior/Subsequent year costs:	
Year 1987	30,000
Year	0
TOTAL PROJECT COST:	550,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	260,000
Reserve Funds	
Development Funds	
Debentures	260,000
Contributions	
1988 Financing:	520,000
Prior/subsequent year financing	
Year 1987	30,000
Year	0
TOTAL FINANCING:	550,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

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THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-3

1. PROJECT LOCATION & DESCRIPTION

Rehabilitation of Niagara Road 72 (Louth Street) from Niagara Road 69 (Pelham Road) to Rykert Street, St Catharines

(Sub-Prog RC8729)

2. NEED FOR PROJECT

Louth Street has been identified by Niagara's Pavement Management program as being structually deficient and in need of reconstruction. Design work commenced in 1987 and will be completed in 1988.

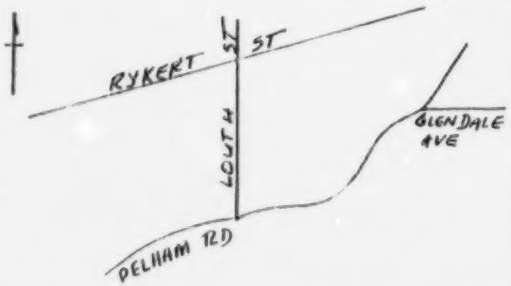
3. (a) CAPITAL COSTS

Construction	
Engineering	50,000
Property	
Utility Relocations	50,000
Traffic Signal	
Others	
1988 COSTS	100,000
Prior/Subsequent year costs:	
Year 1987	60,000
Year 1989/90	1,120,000
TOTAL PROJECT COST:	1,280,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	50,000
Reserve Funds	
Development Funds	
Debentures	50,000
Contributions	
1988 Financing:	100,000
Prior/subsequent year financing	
Year 1987	60,000
Year 1989/90	1,120,000
TOTAL FINANCING:	1,280,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale
Planning Department

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THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-4

1. PROJECT LOCATION & DESCRIPTION

Rehabilitation of Niagara Road 569 (St Ann's Road) from Niagara Road 69 (Twenty Road) to Highway 20, West Lincoln

2. NEED FOR PROJECT

St Ann's Road has been identified by Niagara's Pavement Management program as being structually deficient and in need of reconstruction. Design work commenced in 1987.

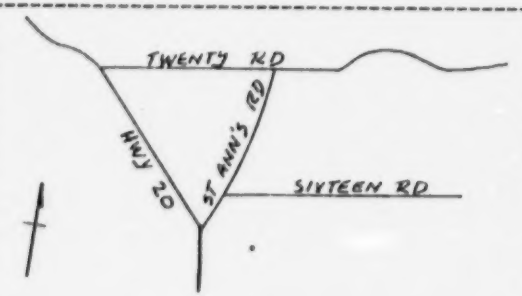
3. (a) CAPITAL COSTS

Construction	300,000
Engineering	40,000
Property	20,000
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	360,000
Prior/Subsequent year costs:	
Year 1987	40,000
Year	0
TOTAL PROJECT COST:	400,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	180,000
Reserve Funds	
Development Funds	
Debentures	180,000
Contributions	
1988 Financing:	360,000
Prior/subsequent year financing	
Year 1987	40,000
Year	0
TOTAL FINANCING:	400,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Allen Veale

Planning Department

REVISED JAN 20/88

4 0172

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-5

1. PROJECT LOCATION & DESCRIPTION

Rehabilitation of Niagara Road 66 (King Street) from Niagara Road 3 (Main street) to Niagara Road 5 (Killaly Street), Port Colborne

2. NEED FOR PROJECT

King Street has been identified by Niagara's Pavement Management program as being structually deficient and in need of reconstruction. Design will be undertaken in 1988 with construction phased over two years.

3. (a) CAPITAL COSTS

Construction	
Engineering	40,000
Property	20,000
Utility Relocations	40,000
Traffic Signal	
Others	
1988 COSTS	100,000
Prior/Subsequent year costs:	
Year 1989	650,000
Year 1990	620,000
TOTAL PROJECT COST:	1,370,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	50,000
Reserve Funds	
Development Funds	
Debentures	50,000
Contributions	
1988 Financing:	100,000
Prior/subsequent year financing	
Year 1989	650,000
Year 1990	620,000
TOTAL FINANCING:	1,370,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0173

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-6

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
1988 Bridge Inspection Program	Construction		Current Revenue	25,000
	Engineering	50,000	Grants/Subsidies	25,000
	Property		Reserve Funds	
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	
2. NEED FOR PROJECT	Others		Contributions	
Several of Niagara's more deficient structures will be surveyed by expert consultants to obtain recommendations for repairs.	1988 COSTS	50,000	1988 Financing:	50,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year	0	Year	0
	Year	0	Year	0
	TOTAL PROJECT COST:	50,000	TOTAL FINANCING:	50,000
	4. LOCATION PLAN		5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	
			Est. Incremental Operating Cost/yr $	
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Alan Veale	
			Planning Department	

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4 0174

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-7

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
1988 Structure Rehabilitation Program (Various)	Construction		Current Revenue	
	Engineering		Grants/Subsidies	300,000
	Property		Reserve Funds	
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	300,000
2. NEED FOR PROJECT	Others	600,000	Contributions	
Six structures have undergone a detailed condition survey in 1987. Recommendations for repair will be priortized and as many as possible will be undertaken in 1988.	1988 COSTS	600,000	1988 Financing:	600,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year	0	Year	0
	Year	0	Year	0
	TOTAL PROJECT COST:	600,000	TOTAL FINANCING:	600,000
4. LOCATION PLAN			5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	
			Est. Incremental Operating Cost/yr $	
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Allen Veale	
			Planning Department	

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THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-8

1. PROJECT LOCATION & DESCRIPTION

1988 Roads Rehabilitation Program

2. NEED FOR PROJECT

Road rehabilitations as recommended by Niagara's Pavement Management System and as detailed in DEP 2462 will be undertaken. A Detailed schedule of work will be presented to committee early in 1988.

3. (a) CAPITAL COSTS

Construction	4,300,000
Engineering	325,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	4,625,000
Prior/Subsequent year costs:	
Year	0
Year	0
TOTAL PROJECT COST:	4,625,000

3. (b) FINANCING

Current Revenue	1,690,500
Grants/Subsidies	2,353,500
Reserve Funds	
Development Funds	
Debentures	581,000
Contributions	
1988 Financing:	4,625,000
Prior/subsequent year financing	
Year	0
Year	0
TOTAL FINANCING:	4,625,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale
Planning Department

REVISED JAN 28/88

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THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-9

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
1988 Storm Sewer Cost Sharing Program	Construction	250,000	Current Revenue	150,000
	Engineering		Grants/Subsidies	100,000
	Property		Reserve Funds	
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	
2. NEED FOR PROJECT	Others		Contributions	
Funds are provided for cost sharing of storm sewer projects in accordance with established policies.	1988 COSTS	250,000	1988 Financing:	250,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year	0	Year	0
	Year	0	Year	0
	TOTAL PROJECT COST:	250,000	TOTAL FINANCING:	250,000
	4. LOCATION PLAN		5. EFFECT ON REVENUE BUDGET	
			New Staff (no.) _____	
			Est. Incremental Operating Cost/yr $_____	
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Allan Veale	
			Planning Department	

REVISED JAN 20/88

4 0177

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-10

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
1988 Railway Crossing Improvements	Construction	35,000	Current Revenue	17,500
	Engineering		Grants/Subsidies	17,500
	Property		Reserve Funds	
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	
2. NEED FOR PROJECT	Others		Contributions	
Funds provided for railway crossing improvements to be undertaken in 1988.	1988 COSTS	35,000	1988 Financing:	35,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year	0	Year	0
	Year	0	Year	0
	TOTAL PROJECT COST:	35,000	TOTAL FINANCING:	35,000
	4. LOCATION PLAN		5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	
			Est. Incremental Operating Cost/yr $	
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Allan Veale	
			Planning Department	

REVISED JAN 20/88

4 0173

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-11

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
1988 Traffic Signal Program	Construction	300,000	Current Revenue	150,000
	Engineering		Grants/Subsidies	150,000
	Property		Reserve Funds	
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	
2. NEED FOR PROJECT	Others		Contributions	
Funds are provided for Niagara's 1988 Traffic Signal Program.	1988 COSTS	300,000	1988 Financing:	300,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year	0	Year	0
	Year	0	Year	0
	TOTAL PROJECT COST:	300,000	TOTAL FINANCING:	300,000
	4. LOCATION PLAN		5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	
			Est. Incremental Operating Cost/yr $	
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Alan Veale	
			Planning Department	

REVISED JAN 20/88

4 01/3

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-12

1. PROJECT LOCATION & DESCRIPTION

1988 Drainage Assessments

2. NEED FOR PROJECT

Funds are provided for drainage costs assessed to Niagara in 1988.

3. (a) CAPITAL COSTS

Construction	25,000
Engineering	
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	25,000
Prior/Subsequent year costs:	
Year	0
Year	0
TOTAL PROJECT COST:	25,000

3. (b) FINANCING

Current Revenue	12,500
Grants/Subsidies	12,500
Reserve Funds	
Development Funds	
Debentures	
Contributions	
1988 Financing:	25,000
Prior/subsequent year financing	
Year	0
Year	0
TOTAL FINANCING:	25,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0180

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-13

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
1988 Road Betterment Program	Construction	390,000	Current Revenue	205,000
	Engineering	20,000	Grants/Subsidies	205,000
	Property		Reserve Funds	
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	
2. NEED FOR PROJECT	Others		Contributions	
Funding is provided for the 1988 Roads Betterment Program. Details of the program will be submitted to committee for approval early in 1988.	1988 COSTS	410,000	1988 Financing:	410,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year	0	Year	0
	Year	0	Year	0
	TOTAL PROJECT COST:	410,000	TOTAL FINANCING:	410,000
	4. LOCATION PLAN		5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	
			Est. Incremental Operating Cost/yr $	
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Allen Veale	
			Planning Department	

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4 0181

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R88-14

1. PROJECT LOCATION & DESCRIPTION

1988 Miscellaneous Road Properties Program

2. NEED FOR PROJECT

Funding is provided for miscellaneous property programs in 1988.

3. (a) CAPITAL COSTS

Construction	
Engineering	
Property	130,000
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	130,000
Prior/Subsequent year costs:	
Year	0
Year	0
TOTAL PROJECT COST:	130,000

4. LOCATION PLAN

3. (b) FINANCING

Current Revenue	65,000
Grants/Subsidies	65,000
Reserve Funds	
Development Funds	
Debentures	
Contributions	
1988 Financing:	130,000
Prior/subsequent year financing	
Year	0
Year	0
TOTAL FINANCING:	130,000

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0182

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R86-6

1. PROJECT LOCATION & DESCRIPTION

Construction of New Broadway Street Bridge over Abandoned Welland Canal, Welland

2. NEED FOR PROJECT

The existing Broadway Street Bridge is posted with a 10 tonne load limit and is in need of expensive repairs. A class environmental assessment has been undertaken and has identified replacement of the structure as the preferred solution. Construction is scheduled for 1989.

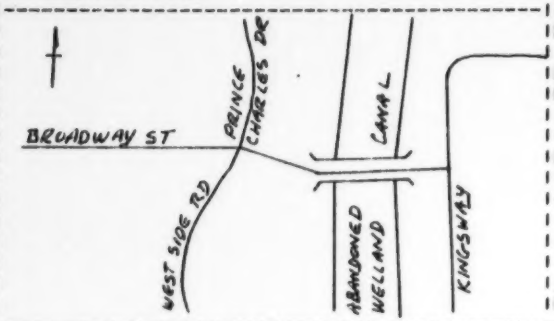
3. (a) CAPITAL COSTS

Construction	
Engineering	60,000
Property	60,000
Utility Relocations	100,000
Traffic Signal	
Others	
1988 COSTS	220,000
Prior/Subsequent year costs:	
Year 1986/87	80,000
Year 1989	3,200,000
TOTAL PROJECT COST:	3,500,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	
Reserve Funds	220,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	220,000
Prior/subsequent year financing	
Year 1986/87	80,000
Year 1989	3,200,000
TOTAL FINANCING:	3,500,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 20/88

4 0184

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET
PROJECT NO. R86-4

1. PROJECT LOCATION & DESCRIPTION

Functional Planning Study for Niagara Road 81 from Niagara Road 24 to Niagara Road 26 through Jordan Valley, Lincoln

2. NEED FOR PROJECT

This section of Niagara Road 81 is deficient in many areas. The topography of the adjacent lands may make it uneconomic to improve on this roadway in an environmentally acceptable manner. It is recommended to undertake a Functional Planning Study to evaluate the various alternatives and impacts.

3. (a) CAPITAL COSTS

Construction	
Engineering	25,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	25,000
Prior/Subsequent year costs:	
Year 1986	80,000
Year 1987	30,000
TOTAL PROJECT COST:	135,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	12,500
Reserve Funds	12,500
Development Funds	
Debentures	
Contributions	
1988 Financing:	25,000
Prior/subsequent year financing	
Year 1986	80,000
Year 1987	30,000
TOTAL FINANCING:	135,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 28/88

4 0185

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Roads

PROJECT YEAR: 1989

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1989 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
R85-1	Phase II reconstruction of NR95 (Linwell Road) from NR46 (Geneva Street) to NR48 (Niagara Street) St. Catharines	3,000,000	2,000,000	0	1,000,000		370,000 260,000	MTO CITY		370,000
R85-2	Phase II reconstruction of NR41 (Woodlawn Road) from Seaway Drive to Gram Avenue, Welland	680,000	360,000	0	320,000		160,000	MTO		160,000
R88-3	Rehabilitation of NR72 (Louth Street) from NR69 (Pelham Road) to Rykert Street, St. Catharines	1,280,000	160,000	0	1,120,000		395,000 330,000	MTO CITY		395,000
R88-5	Rehabilitation of NR66 (King Street) from NR3 (Main Street) to NR5 (Killaly Street), Port Colbourne	1,370,000	100,000	620,000	650,000		160,000 330,000	MTO CITY		160,000
R89-1	Bridge Rehabilitation Program	1,250,000	0	0	1,250,000	0	625,000	MTO		625,000
R89-2	Bridge Inspection Program	75,000	0	0	75,000	37,500	37,500	MTO		0
R89-3	Roads Rehabilitation Program	5,435,000	0	0	5,435,000	2,212,500	2,262,750	MTO		959,750

REVISED JAN 13/88

4 0186

MUNICIPALITY: Regional Niagara
DEPARTMENT : Public Works
PROGRAM : Roads

PROJECT YEAR: 1989

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1989 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
R89-4	Railway Crossing Improvements	54,500	0	0	54,500	27,250	27,250	MTO		0
R89-5	Traffic Signal Program	300,000	0	0	300,000	150,000	150,000	MTO		0
R89-6	Drainage Assessments	25,000	0	0	25,000	12,500	12,500	MTO		0
R89-7	Road Betterment Program	550,000	0	0	550,000	275,000	275,000	MTO		0
R89-8	Miscellaneous Properties	200,000	0	0	200,000	100,000	100,000	MTO		0
R86-6	Construction of new Broadway Street Bridge over Old Welland Canal, Welland	3,500,000	300,000	0	3,200,000	0	3,200,000	CANAL FUND	0	0
	TOTAL	17,719,500	2,920,000	620,000	14,179,500	12,814,750	8,695,000			2,669,750

REVISED JAN 29/88

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Roads

PROJECT YEAR: 1990

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1990 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
R88-5	Rehabilitation of NR66 (King Street) from NR3 (Main Street) to NR5 (Killaly Street), Port Colbourne	1,370,000	750,000	0	620,000		180,000 260,000	MTO CITY		180,000
R90-1	Bridge Rehabilitation Program	1,300,000	0	0	1,300,000	650,000	650,000	MTO		0
R90-2	Bridge Inspection Program	75,000	0	0	75,000	37,500	37,500	MTO		0
R90-3	Roads Rehabilitation Program	7,280,000	0	0	7,280,000	1,775,000	3,145,000	MTO		2,360,000
R90-4	Road Condition Study (IMS)	300,000	0	0	300,000	150,000	150,000	MTO		0
R90-5	Road Betterment Program	600,000	0	0	600,000	300,000	300,000	MTO		0
R90-6	Drainage Assessments	25,000	0	0	25,000	12,500	12,500	MTO		0
R90-7	Railway Crossing Improvements	50,000	0	0	50,000	25,000	25,000	MTO		0
R90-8	Traffic Signal Program	300,000	0	0	300,000	150,000	150,000	MTO		0
R90-9	Miscellaneous Properties	200,000	0	0	200,000	100,000	100,000	MTO		0
	TOTAL	11,500,000	750,000	0	10,750,000	3,200,000	5,010,000		0	2,540,000

REVISED JAN 13/88

4 0183

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Roads

PROJECT YEAR: 1991

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1991 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION			
							AMOUNT	SOURCE		
R91-1	Bridge Rehabilitation Program	1,350,000	0	0	1,350,000	675,000	675,000	MTO		0
R91-2	Bridge Inspection Program	75,000	0	0	75,000	37,500	37,500	MTO		0
R91-3	Roads Rehabilitation Program	8,200,000	0	0	8,200,000	12,300,000	3,650,000	MTO		2,250,000
R91-4	Railway Crossing Improvements	50,000	0	0	50,000	25,000	25,000	MTO		0
R91-5	Traffic Signal Program	300,000	0	0	300,000	150,000	150,000	MTO		0
R91-6	Drainage Assessments	25,000	0	0	25,000	12,500	12,500	MTO		0
R91-7	Road Betterment Program	600,000	0	0	600,000	300,000	300,000	MTO		0
R91-8	Miscellaneous Properties	200,000	0	0	200,000	100,000	100,000	MTO		0
	TOTAL	10,800,000	0	0	10,800,000	13,600,000	4,950,000		0	2,250,000

REVISED JAN 13/88

4 0189

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Roads

PROJECT YEAR: 1992

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1992 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
R92-1	Bridge Rehabilitation Program	1,350,000	0	0	1,350,000	675,000	675,000	MTO		0
R92-2	Bridge Inspection Program	75,000	0	0	75,000	37,500	37,500	MTO		0
R92-3	Roads Rehabilitation Program	8,600,000	0	0	8,600,000	2,700,000	3,850,000	MTO		2,050,000
R92-4	Railway Crossing Improvements	50,000	0	0	50,000	25,000	25,000	MTO		0
R92-5	Traffic Signal Program	300,000	0	0	300,000	150,000	150,000	MTO		0
R92-6	Drainage Assessments	25,000	0	0	25,000	12,500	12,500	MTO		0
R92-7	Road Betterment Program	600,000	0	0	600,000	300,000	300,000	MTO		0
R92-8	Miscellaneous Properties	200,000	0	0	200,000	100,000	100,000	MTO		0
	TOTAL	11,200,000	0	0	11,200,000	4,000,000	5,150,000		0	2,050,000

REVISED JAN 13/88

4 0150

SECTION 7

PUBLIC WORKS

SEWAGE WORKS

The Regional Municipality of Niagara

OBJECTIVE STATEMENTS FOR THE

1988 CAPITAL BUDGET

POLLUTION ABATEMENT PROGRAM

1) To provide secondary treatment and phosphate removal facilities to all Niagara water pollution control plants.

2) To upgrade water pollution control plants to ensure they are capable of being operated to meet MOE effluent discharge criteria* and to accommodate projected growth.

3) To ensure all pollution control facilities are upgraded in compliance with the provisions of Occupational Health and Safety Act.

4) To ensure the equipment selected for pollution control facilities is energy efficient.

5) To provide adequate equipment for disinfection of plant effluent and bypasses.

6) To minimize combined sewer overflows.

7) To minimize odour problems associated with pollution control facilities.

8) To implement automation in water pollution control plants to achieve quality of plant effluent and cost effectiveness.

*The current MOE non-compliance criteria for plant effluent are 25/25/1 mg/l for suspended solids, BOD and phosphorus respectively, based on the arithmetic mean of four consecutive weekly composite samples, flow weighted.

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1988

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1988 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
S83-4	Secondary Treatment Addition Anger Ave. WPCP, Ft. Erie	12,000,000	990,000	0	11,010,000	1,310,540	3,212,700	MOE	211,500	6,275,260
S85-2	Port Weller Water Pollution Control Plant Upgrading	8,000,000	3,800,000	1,500,000	2,700,000	835,200	774,600	MOE	1,090,200	0
S85-13	Alternative Treatment Facility Smithville, Twp of West Lincoln	4,700,000	3,900,000	0	800,000	287,800	209,400	MOE	302,800	0
S86-1	Welland Water Pollution Control Plant Expansion and Nitrification Facilities	16,025,000	13,525,000	0	2,500,000	907,500	812,200	MOE	780,300	0
S86-2	Expansion of Crystal Beach WPCP, Ft. Erie	7,200,000	400,000	6,400,000	400,000	308,560	91,440	MOE	0	0
S86-3	Sludge Management Facilities for Various Regional WPCP's	4,200,000	1,000,000	2,000,000	1,200,000	1,200,000	0		0	0
S86-8	Treatment Process Unit Improve. Pt. Dalhousie, St Catharines	9,550,000	550,000	7,000,000	2,000,000	1,212,900	617,300	MOE	169,800	0
S87-4	Alternative Sewage Treatment for Town of Niagara-on-the-Lake	5,450,000	150,000	5,200,000	100,000	100,000	0		0	0
S87-5	Pollution Control Planning Study, Niagara-on-the-Lake	600,000	300,000	0	300,000	150,000	150,000	MOE	0	0
	SUB-TOTAL	167,725,000	124,615,000	122,100,000	121,010,000	16,312,500	5,867,640		2,554,600	6,275,260

REVISED JAN 29/88

4 0192

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1988

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1988 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
S87-6	St Catharines/Thorold Pollution Control Planning Study (Regional Share)	75,000	50,000	0	25,000	25,000	0		0	0
S87-7	Laboratory Facilities for Niagara Sewage & Water Operations	1,000,000	250,000	0	750,000	750,000	0		0	0
S87-9	Sludge Management Master Plan Study	500,000	200,000	0	300,000	300,000	0		0	0
S88-1	Refurbish Union St. Pumping Station, Port Colborne	450,000	0	400,000	50,000	50,000	0		0	0
S88-2	Allocation for ESR's for Unspecified Projects	100,000	0	50,000	50,000	50,000	0		0	0
S88-3	Upgrading the Pumping Capacity at Chippawa Low Lift Pumping Station, Niagara Falls	250,000	0	0	250,000	212,500	37,500	MOE	0	0
S88-4	Pollution Control Planning Study, Grimsby/Lincoln/ Smithville	900,000	0	600,000	300,000	150,000	150,000	MOE	0	0
S88-5	Pollution Control Planning Study, Port Colborne	600,000	0	400,000	200,000	100,000	100,000	MOE	0	0
	TOTAL	171,600,000	125,115,000	123,550,000	122,935,000	17,950,000	6,155,140		2,554,600	6,275,260

REVISED JAN 29/88

4 0153

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1988

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1988 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
S88-6	Odour Control Study for Stevensville/Douglastown Forcemains	50,000	0	0	50,000	50,000	0		0	0
	TOTAL	171,650,000	125,115,000	123,550,000	122,985,000	18,000,000	6,155,140		2,554,600	6,275,260

REVISED JAN 29/88

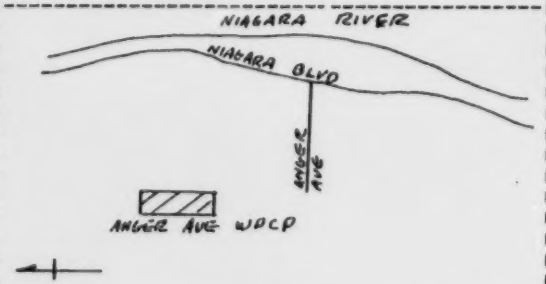
4 0194

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S83-4

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
Secondary Tratment Addition @ Anger Avenue WPCP, Fort Erie	Construction	10,300,000	Current Revenue	
	Engineering	500,000	Grants/Subsidies	3,212,700
	Property		Reserve Funds	1,310,540
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	6,486,760
2. NEED FOR PROJECT	Others	210,000	Contributions	
To increase plant capicity from 3.6 MIGD to 5.4 MIGD and to provide secondary treatment. (DEA 294, 31)	1988 COSTS	11,010,000	1988 Financing:	11,010,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year 1983-87	990,000	Year 1983-87	990,000
	Year		Year	
	TOTAL PROJECT COST:	12,000,000	TOTAL FINANCING:	12,000,000
4. LOCATION PLAN			5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	7
			Est. Incremental Operating Cost/yr	$520,000
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Alan Veale	
			Planning Department	

REVISED JAN 29/88

4 0193

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S85-2

1. PROJECT LOCATION & DESCRIPTION

Port Weller Water Pollution Control Plant Upgrading, St Catharines

2. NEED FOR PROJECT

The final clarifiers at Port Weller Water Pollution Control Plant are not large enough to handle flows in excess of 8 MIGD. The results of a process treatability study indicates the plant can be upgraded to 15 MIGD by expanding the final clarifiers, installing additional raw sewage pumping capacity and upgrading process controls.

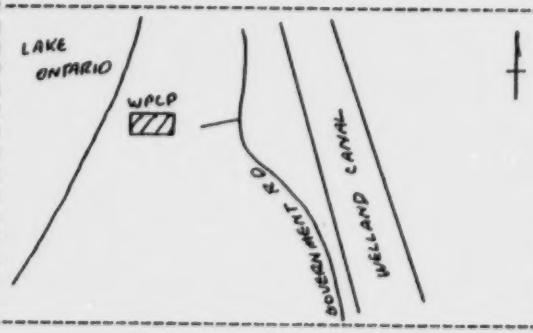
3. (a) CAPITAL COSTS

Construction	
Engineering	
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	2,700,000
Prior/Subsequent year costs:	
Year 1985/86	3,800,000
Year 1989	1,500,000
TOTAL PROJECT COST:	8,000,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	774,600
Reserve Funds	835,200
Development Funds	
Debentures	1,090,200
Contributions	
1988 Financing:	2,700,000
Prior/subsequent year financing	
Year 1985/86	3,800,000
Year 1989	1,500,000
TOTAL FINANCING:	8,000,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.)	
Est. Incremental Operating Cost/yr	$70,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0196

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 885-13

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
Alternative Treatment Facilities @ Smithville, West Lincoln	Construction		Current Revenue	
	Engineering		Grants/Subsidies	209,400
	Property		Reserve Funds	287,800
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	302,800
2. NEED FOR PROJECT	Others		Contributions	
To comply with Ministry of the Environment requirements regarding discharges to 20 Mile Creek and to provide capacity for growth. (DEA 294, 31)	1988 COSTS	800,000	1988 Financing:	800,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year 1985-87	3,900,000	Year 1985-87	3,900,000
	Year		Year	
	TOTAL PROJECT COST:	4,700,000	TOTAL FINANCING:	4,700,000
	4. LOCATION PLAN		5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	
			Est. Incremental Operating Cost/yr	$150,000
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Allan Veale	
			Planning Department	

REVISED JAN 29/88

4 0197

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S86-1

1. PROJECT LOCATION & DESCRIPTION

Nitrification Facilities & Capacity Increase @ Welland WPCP

2. NEED FOR PROJECT

To provide for growth in the Welland/ Pelham areas and also to comply with new Ministry of the Environment discharge criteria. (DEA 294, 31)

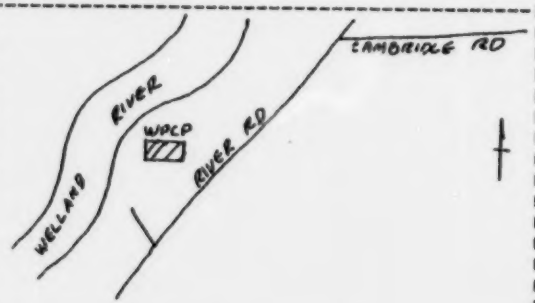
3. (a) CAPITAL COSTS

Construction	
Engineering	
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	2,500,000
Prior/Subsequent year costs:	
Year 1986/87	13,525,000
Year	
TOTAL PROJECT COST:	16,025,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	812,200
Reserve Funds	907,500
Development Funds	
Debentures	780,300
Contributions	
1988 Financing:	2,500,000
Prior/subsequent year financing	
Year 1986/87	13,525,000
Year	
TOTAL FINANCING:	16,025,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.)	5
Est. Incremental Operating Cost/yr	$400,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale
Planning Department

REVISED JAN 29/88

4 0193

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S86-2

1. PROJECT LOCATION & DESCRIPTION

Expansion of Crystal Beach WPCP, Fort Erie

2. NEED FOR PROJECT

To provide upgraded and expanded sewage treatment capability.
(DEA 294, 31)

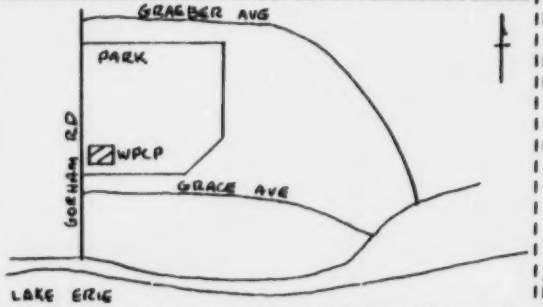
3. (a) CAPITAL COSTS

Construction	
Engineering	400,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	400,000
Prior/Subsequent year costs:	
Year 1986/87	400,000
Year 1989/90	6,400,000
TOTAL PROJECT COST:	7,200,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	91,440
Reserve Funds	308,560
Development Funds	
Debentures	
Contributions	
1988 Financing:	400,000
Prior/subsequent year financing	
Year 1986/87	400,000
Year 1989/90	6,400,000
TOTAL FINANCING:	7,200,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.)	3
Est. Incremental Operating Cost/yr	$200,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale
Planning Department

REVISED JAN 29/88

4 0199

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 886-3

1. PROJECT LOCATION & DESCRIPTION

Sludge Management Facilities for Various WPCP's

2. NEED FOR PROJECT

To provide sufficient sludge transfer storage capacity for use when direct land application of digested sludge is not possible. (DEA 294, 31)

3. (a) CAPITAL COSTS

Construction	1,000,000
Engineering	200,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	1,200,000
Prior/Subsequent year costs:	
Year 1986/87	1,000,000
Year 1988/90	2,000,000
TOTAL PROJECT COST:	4,200,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	
Reserve Funds	1,200,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	1,200,000
Prior/subsequent year financing	
Year 1986/87	1,000,000
Year 1988/90	2,000,000
TOTAL FINANCING:	4,200,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.)	
Est. Incremental Operating Cost/yr	$15,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0200

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 886-8

1. PROJECT LOCATION & DESCRIPTION

Treatment Process Unit Improvements @ Port Dalhousie WPCP, St Catharines

2. NEED FOR PROJECT

To improve the proformance of the existing plant and provide capacity for growth. (DEA 294, 31)

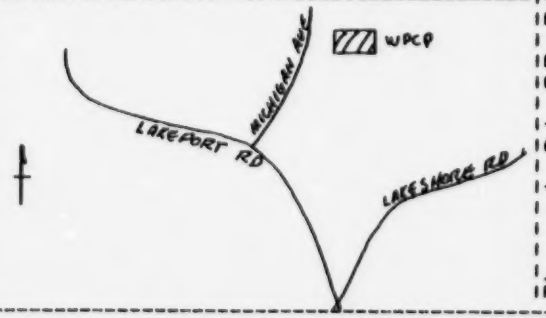
3. (a) CAPITAL COSTS

Construction	
Engineering	
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	2,000,000
Prior/Subsequent year costs:	
Year 1986/87	550,000
Year 1989/90	7,000,000
TOTAL PROJECT COST:	9,550,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	617,300
Reserve Funds	1,212,900
Development Funds	
Debentures	169,800
Contributions	
1988 Financing:	2,000,000
Prior/subsequent year financing	
Year 1986/87	550,000
Year 1989/90	7,000,000
TOTAL FINANCING:	9,550,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.)	4
Est. Incremental Operating Cost/yr	$500,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0201

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 887-4

1. PROJECT LOCATION & DESCRIPTION

Alternative Sewage Treatment for Town of Niagara-on-the-Lake

2. NEED FOR PROJECT

The existing Niagara-on-the-Lake lagoons are reaching capacity. In providing expanded facilities various alternatives for treatment must be considered. Future cost estimates are based on a mechanical treatment plant and are subject to revision pending completion of the study. (DEA 294, 31)

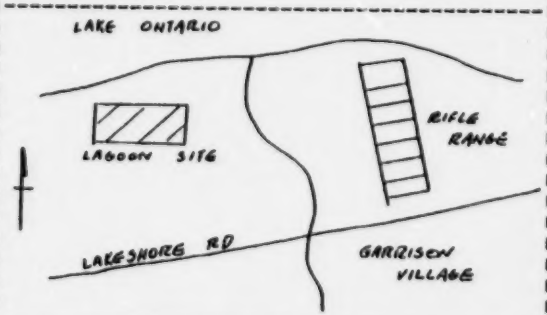
3. (a) CAPITAL COSTS

Construction	
Engineering	100,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	100,000
Prior/Subsequent year costs:	
Year 1987	150,000
Year 1989/90	5,200,000
TOTAL PROJECT COST:	5,450,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	
Reserve Funds	100,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	100,000
Prior/subsequent year financing	
Year 1987	150,000
Year 1989/90	5,200,000
TOTAL FINANCING:	5,450,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.)	6
Est. Incremental Operating Cost/yr	$500,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0202

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 587-5

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
Pollution Control Planning Study, Niagara-on-the-Lake	Construction		Current Revenue	
	Engineering	300,000	Grants/Subsidies	150,000
	Property		Reserve Funds	150,000
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	
2. NEED FOR PROJECT	Others		Contributions	
To identify and quantify the extend of sewage system degradation and its impact on combined sewage overflows. To develop cost effect solutions for reducing/ eliminating combined sewage overflow occurances. (DEA 294, 31)	1988 COSTS	300,000	1988 Financing:	300,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year 1987	600,000	Year 1987	600,000
	Year		Year	
	TOTAL PROJECT COST:	900,000	TOTAL FINANCING:	900,000
	4. LOCATION PLAN		5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	
			Est. Incremental Operating Cost/yr $	
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Alan Veale	
			Planning Department	

REVISED JAN 29/88

4 0203

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 887-6

1. PROJECT LOCATION & DESCRIPTION

Pollution Control Planning Study,
St Catharines/Thorold
(Regional Share)

2. NEED FOR PROJECT

To identify and quantify the extend of sewage degradation and its impact on combined sewage overflows. To develop cost effect solutions for reducing/ eliminating combined sewage overflows. (DEA 294, 3i)

3. (a) CAPITAL COSTS

Construction	
Engineering	25,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	25,000
Prior/Subsequent year costs:	
Year 1986/87	50,000
Year	
TOTAL PROJECT COST:	75,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	
Reserve Funds	25,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	25,000
Prior/subsequent year financing	
Year 1986/87	50,000
Year	
TOTAL FINANCING:	75,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0204

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S87-7

1. PROJECT LOCATION & DESCRIPTION	3. (a) CAPITAL COSTS		3. (b) FINANCING	
Laboratory Facilities for Niagara Sewage & Water Operations	Construction	700,000	Current Revenue	
	Engineering	50,000	Grants/Subsidies	
	Property		Reserve Funds	750,000
	Utility Relocations		Development Funds	
	Traffic Signal		Debentures	
2. NEED FOR PROJECT	Others		Contributions	
To provide analyitical services for compliance moritoring for Ministry of the Environment certificate of approval. (DEA 294, 31)	1988 COSTS	750,000	1988 Financing:	750,000
	Prior/Subsequent year costs:		Prior/subsequent year financing	
	Year 1987	250,000	Year 1987	250,000
	Year		Year	
	TOTAL PROJECT COST:	1,000,000	TOTAL FINANCING:	1,000,000
	4. LOCATION PLAN		5. EFFECT ON REVENUE BUDGET	
			New Staff (no.)	3 - 5
			Est. Incremental Operating Cost/yr	$75,000
			6. CONFORM WITH THE REGIONAL OFFICIAL PLAN	
			Alan Veale	
			Planning Department	

REVISED JAN 29/88

4 0205

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 887-9

1. PROJECT LOCATION & DESCRIPTION

Sludge Management Master Plan Study

2. NEED FOR PROJECT

To provide framework for furtue of regions sludge disposal program.

3. (a) CAPITAL COSTS

Construction	
Engineering	300,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	300,000
Prior/Subsequent year costs:	
Year 1987	200,000
Year	
TOTAL PROJECT COST:	500,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	
Reserve Funds	300,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	300,000
Prior/subsequent year financing	
Year 1987	200,000
Year	
TOTAL FINANCING:	500,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale
Planning Department

REVISED JAN 29/88

4 0206

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S88-1

1. PROJECT LOCATION & DESCRIPTION

Refurbish Union Street Pumping Station, City of Port Colborne

2. NEED FOR PROJECT

To replace wornout electrical and mechanical components.

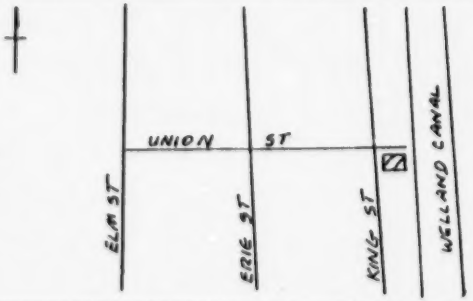
3. (a) CAPITAL COSTS

Construction	
Engineering	50,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	50,000
Prior/Subsequent year costs:	
Year 1989	400,000
Year	
TOTAL PROJECT COST:	450,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	
Reserve Funds	50,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	50,000
Prior/subsequent year financing	
Year 1989	400,000
Year	
TOTAL FINANCING:	450,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale
Planning Department

REVISED JAN 29/88

4 0207

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S88-2

1. PROJECT LOCATION & DESCRIPTION

Allocation for ESR's for Unspecified Projects.

2. NEED FOR PROJECT

3. (a) CAPITAL COSTS

Construction	
Engineering	50,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	50,000
Prior/Subsequent year costs:	
Year 1989	50,000
Year	
TOTAL PROJECT COST:	100,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	
Reserve Funds	50,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	50,000
Prior/subsequent year financing	
Year 1989	50,000
Year	
TOTAL FINANCING:	100,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Allen Veale
Planning Department

REVISED JAN 29/88

4 0203

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S88-3

1. PROJECT LOCATION & DESCRIPTION

Upgrading Pumping Capacity @ Chippawa Low Lift Pumping Station, Niagara Falls

Proposed Start Date:

Proposed Completion Date:

2. NEED FOR PROJECT

The Chippawa community in Niagara Falls experiences frequent basement flooding due to overloaded combined sewers (local). A report commissioned by the City of Niagara Falls suggests the problem can be alleviated somewhat by increaseing the pumping capacity at the Chippawa Pumping Station.

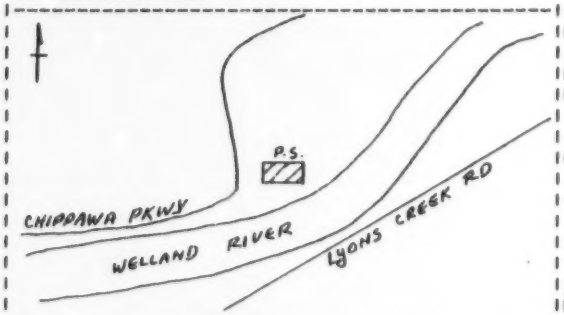
3. (a) CAPITAL COSTS

Construction	200,000
Engineering	50,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	250,000
Prior/Subsequent year costs:	
Year	
Year	
TOTAL PROJECT COST:	250,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	37,500
Reserve Funds	212,500
Development Funds	
Debentures	
Contributions	
1988 Financing:	250,000
Prior/subsequent year financing	
Year	
Year	
TOTAL FINANCING:	250,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $10,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0203

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. S88-4

1. PROJECT LOCATION & DESCRIPTION

Pollution Control Planning Study, Grimsby/Lincoln/Smithville

2. NEED FOR PROJECT

Within the next 5-year period it is anticipated that there will have been sufficient growth activity to the Baker Road WPCP to necessitate a review of capacity requirements and treatment needs. Since the Province commenced its initiatory to reduce overflows to the environment, the impact of storm flows on the plant must first be understood. The PCP study will provide this understanding.

3. (a) CAPITAL COSTS

Construction	
Engineering	300,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	300,000
Prior/Subsequent year costs:	
Year 1989	600,000
Year	
TOTAL PROJECT COST:	900,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	150,000
Reserve Funds	150,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	300,000
Prior/subsequent year financing	
Year 1989	600,000
Year	
TOTAL FINANCING:	900,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) .....

Est. Incremental Operating Cost/yr $.....

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Allen Veale

Planning Department

REVISED JAN 29/88

4 0210

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 888-5

1. PROJECT LOCATION & DESCRIPTION

Pollution Control Planning Study, Port Colborne

2. NEED FOR PROJECT

Within the next 5-year period it is anticipated that there will have been sufficient growth activity to the Seaway WPCP to necessitate a review of capacity requirements and treatment needs. Since the Province commenced its initiatory to reduce overflows to the environment, the impact of storm flows on the plant must first be understood. The PCP study will provide this understanding.

3. (a) CAPITAL COSTS

Construction	
Engineering	200,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	200,000
Prior/Subsequent year costs:	
Year 1989	400,000
Year	
TOTAL PROJECT COST:	600,000

4. LOCATION PLAN

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	100,000
Reserve Funds	100,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	200,000
Prior/subsequent year financing	
Year 1989	400,000
Year	
TOTAL FINANCING:	600,000

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0211

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage Works

PROJECT DETAIL SHEET
PROJECT NO. 988-6

1. PROJECT LOCATION & DESCRIPTION

Odour Control Study for Stevensville/Douglastown Forcemains

2. NEED FOR PROJECT

After several years of successful operation, in 1987 the Douglastown/Stevensville lagoons became a severe source of odours. Studies undertaken by our operations determined that the cause was biological growths in the two forcemains generating hydrogen-sulphide. Further detailed assessment is required to specify the preferred alternative for dealing with the problem.

3. (a) CAPITAL COSTS

Construction	
Engineering	50,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	50,000
Prior/Subsequent year costs:	
Year	
Year	
TOTAL PROJECT COST:	50,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	
Reserve Funds	50,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	50,000
Prior/subsequent year financing	
Year	
Year	
TOTAL FINANCING:	50,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.)	
Est. Incremental Operating Cost/yr	$100,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0212

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1989

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1989 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
S85-2	Port Weller Water Pollution Control Plant Upgrading	8,000,000	6,500,000	0	1,500,000	1,069,700	430,300	MOE	0	
S86-2	Expansion of Crystal Beach WPCP, Fort Erie	7,200,000	800,000	1,400,000	5,000,000	0	777,240	MOE	0	4,222,760
S86-3	Sludge Management Facilities for Various Regional WPCP's	4,200,000	2,200,000	700,000	1,300,000	1,300,000	0		0	0
S86-8	Treatment Process Unit Improve. Pt. Dalhousie, St Catharines	9,550,000	2,550,000	3,000,000	4,000,000	101,960	1,234,500	MOE	0	2,663,540
S87-1	Fort Erie Pollution Control Plan Study	1,100,000	900,000	0	200,000	100,000	100,000	MOE	0	0
S87-4	Alternative Sewage Treatment for Town of Niagara-on-the-Lake	5,450,000	250,000	4,000,000	1,200,000	1,020,000	180,000	MOE	0	0
S88-1	Refurbish Union St. Pumping Station, Port Colborne	450,000	50,000	0	400,000	400,000	0	MOE	0	0
S88-2	Allocation for ESR's for Unspecified Projects	100,000	50,000	0	50,000	50,000	0		0	0
S88-4	Pollution Control Planning Study, Grimsby/Lincoln/ Smithville	900,000	300,000	100,000	500,000	250,000	250,000	MOE	0	0
	SUB-TOTAL	36,950,000	13,600,000	9,200,000	14,150,000	4,291,660	2,972,040		0	6,886,300

REVISED JAN 29/88

4 0213

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1989

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1989 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION			
							AMOUNT	SOURCE		
S88-5	Pollution Control Planning Study, Port Colborne	600,000	200,000	0	400,000	200,000	200,000	MOE	0	0
S89-1	Odour Control Facility for Stevensville/Douglastown Forcemains	300,000	0	0	300,000	300,000	0		0	0
S89-2	Pre-Engineering and ESR @ Parkway Pumping Station,Ft Erie	2,000,000	0	1,800,000	200,000	148,340	51,660	MOE	0	0
S89-3	Financial Plan for Implementing Recommendations in the Pollution Control Planning Study Report, Fort Erie	60,000	0	0	60,000	60,000	0		0	0
	TOTAL	39,910,000	13,800,000	11,000,000	15,110,000	5,000,000	3,223,700		0	6,886,300

REVISED JAN 29/88

4 0214

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1990

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1990 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
S86-2	Expansion of Crystal Beach WPCP, Fort Erie	7,200,000	5,800,000	0	1,400,000	0	210,000	MOE	0	1,190,000
S86-3	Sludge Management Facilities for Various Regional WPCP's	4,200,000	3,500,000	0	700,000	700,000	0		0	0
S86-8	Treatment Process Unit Improve. Pt. Dalhousie, St Catharines	9,550,000	6,550,000	0	3,000,000	694,000	925,900	MOE	0	1,380,100
S87-4	Alternative Sewage Treatment for Town of Niagara-on-the-Lake	5,450,000	1,450,000	0	4,000,000	0	600,000	MOE	0	3,400,000
S88-4	Pollution Control Planning Study, Grimsby/Lincoln/ Smithville	900,000	800,000	0	100,000	50,000	50,000	MOE		
S89-2	Twinning of Parkway Pumping Station and Forcemain, Fort Erie	2,000,000	200,000	0	1,800,000	1,206,000	594,000	MOE	0	0
S90-1	Treatability Study for Baker Rd WPCP, Grimsby	200,000	0	0	200,000	200,000	0		0	0
S90-2	Treatability Study for Seaway WPCP, Port Colborne	200,000	0	0	200,000	200,000	0		0	0
	TOTAL	29,700,000	18,300,000	0	11,400,000	3,050,000	2,379,900		0	5,970,100

REVISED JAN 29/88

4 0213

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1990

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1990 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
S90-3	Priority Works as Identified in Pollution Control Plan Studies	10,000,000	0	9,000,000	1,000,000	850,000	150,000	MOE	0	0
S90-4	Pollution Control Planning Study, Welland/Pelham	1,200,000	0	1,000,000	200,000	100,000	100,000	MOE	0	0
	TOTAL	140,900,000	18,300,000	10,000,000	12,600,000	4,000,000	2,629,900		0	5,970,100

REVISED JAN 29/88

4 0216

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1991

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1991 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
S90-3	Priority Works as Identified in Pollution Control Plan Studies	10,000,000	1,000,000	6,000,000	3,000,000	775,000	450,000	MOE	0	1,775,000
S90-4	Pollution Control Planning Study, Welland/Pelham	1,200,000	200,000	0	1,000,000	500,000	500,000	MOE	0	0
S91-1	Remedial Works at Baker WPCP, Grimsby	6,000,000	0	4,000,000	2,000,000	1,700,000	300,000	MOE	0	0
S91-2	Remedial Works at Seaway WPCP, Port Colborne	6,000,000	0	4,000,000	2,000,000	1,700,000	300,000	MOE	0	0
S91-3	Pollution Control Planning Study, Niagara Falls	1,500,000	0	1,000,000	500,000	250,000	250,000	MOE	0	0
S91-4	Evaluation of Sludge Digesters at Niagara Falls WPCP	75,000	0	0	75,000	75,000	0		0	0
	TOTAL	24,775,000	1,200,000	15,000,000	8,575,000	5,000,000	1,800,000		0	1,775,000

REVISED JAN 29/88

4 0217

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Sewage

PROJECT YEAR: 1992

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1992 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
S90-3	Priority Works as Identified in Pollution Control Plan Studies	10,000,000	4,000,000	3,000,000	3,000,000	2,550,000	450,000	MOE	0	0
S91-1	Remedial Works at Baker WPCP, Grimsby	6,000,000	2,000,000	0	4,000,000	900,000	600,000	MOE	0	2,500,000
991-2	Remedial Works at Seaway WPCP, Port Colborne	6,000,000	2,000,000	0	4,000,000	1,050,000	600,000	MOE	0	2,350,000
S91-3	Pollution Control Planning Study, Niagara Falls	1,500,000	500,000	0	1,000,000	500,000	500,000	MOE	0	0
	TOTAL	123,500,000	8,500,000	3,000,000	12,000,000	5,000,000	2,150,000		0	4,850,000

REVISED JAN 29/88

4 0218

SECTION 8

PUBLIC WORKS

WATER WORKS

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Water

PROJECT YEAR: 1988

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1988 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
W84-2	Additional Allocation for Zone II Storage Facilities, St Catharines/NOTL	4,900,000	3,200,000	1,400,000	300,000	255,000	45,000	MOE	0	0
W87-1	Additional Reservior Capacity Decew Falls WTP	5,000,000	2,000,000	2,000,000	1,000,000	850,000	150,000	MOE	0	0
W87-5	Upgrading Water Supply to Grimsby/Lincoln	16,000,000	300,000	13,000,000	2,700,000	2,035,500	405,000	MOE	0	259,500
W88-1	Construction of Park Road Trunk Watermain, Grimsby	956,250	0	0	956,250	637,500	318,750	MOE	0	0
	TOTAL	26,856,250	5,500,000	16,400,000	4,956,250	3,778,000	918,750		0	259,500

REVISED FEB 11/88

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Waterworks

PROJECT DETAIL SHEET
PROJECT NO. W84-2

1. PROJECT LOCATION & DESCRIPTION

Additional Allocation for Zone II Storage Facilities, St Catharines/NOTL

2. NEED FOR PROJECT

This project is to provide fo additional water storage for the Niagara-on-the Lake and Zone II St Catharines. It involves a ground reservoir in the vicinity of Taylor Road and Glendale Avenue.

3. (a) CAPITAL COSTS

Construction	
Engineering	300,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	300,000
Prior/Subsequent year costs:	
Year 1984-87	3,200,000
Year 1989	1,400,000
TOTAL PROJECT COST:	4,900,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	45,000
Reserve Funds	255,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	300,000
Prior/subsequent year financing	
Year 1984-87	3,200,000
Year 1989	1,400,000
TOTAL FINANCING:	4,900,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.)	
Est. Incremental Operating Cost/yr	$10,000

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale
Planning Department

REVISED JAN 29/88

4 0221

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Waterworks

PROJECT DETAIL SHEET
PROJECT NO. W87-1

1. PROJECT LOCATION & DESCRIPTION

Additional Reservoir Capacity @ DeCew Falls Water Treatment Plant

2. NEED FOR PROJECT

To provide storage to balance water production rate vs demand rate.

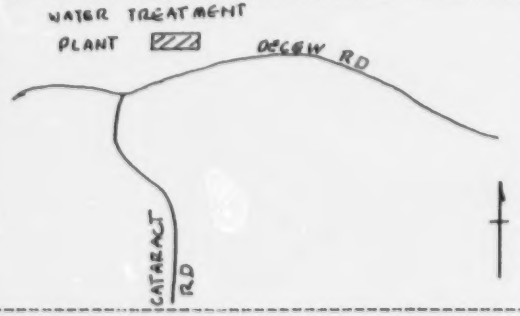
3. (a) CAPITAL COSTS

Construction	700,000
Engineering	300,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	1,000,000
Prior/Subsequent year costs:	
Year 1987	2,000,000
Year 1989	2,000,000
TOTAL PROJECT COST:	5,000,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	150,000
Reserve Funds	850,000
Development Funds	
Debentures	
Contributions	
1988 Financing:	1,000,000
Prior/subsequent year financing	
Year 1987	2,000,000
Year 1989	2,000,000
TOTAL FINANCING:	5,000,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0222

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Waterworks

PROJECT DETAIL SHEET
PROJECT NO. W87-5

1. PROJECT LOCATION & DESCRIPTION

Upgrading Water Supply to Grimsby/Lincoln (Grimsby WTP)

2. NEED FOR PROJECT

The existing Grimsby Water Treatment Plant has been identified as a high maintenance facility. Considerable refurbishing is required to put it into proper operating condition. In addition, a capacity increase is required. Alternatives for upgrading the existing plant, namely a new plant at a new location and a line from DeCew Falls Water Treatment Plant are being investigated, in addition to upgrading the existing facility.

3. (a) CAPITAL COSTS

Construction	2,200,000
Engineering	500,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	2,700,000
Prior/Subsequent year costs:	
Year 1987	300,000
Year 1989/90	13,000,000
TOTAL PROJECT COST:	16,000,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	405,000
Reserve Funds	2,035,500
Development Funds	
Debentures	259,500
Contributions	
1988 Financing:	2,700,000
Prior/subsequent year financing	
Year 1987	300,000
Year 1989/90	13,000,000
TOTAL FINANCING:	16,000,000

4. LOCATION PLAN

5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $_____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0223

THE REGIONAL MUNICIPALITY OF NIAGARA

1988 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Waterworks

PROJECT DETAIL SHEET
PROJECT NO. W88-1

1. PROJECT LOCATION & DESCRIPTION

Construction of Park Road Trunk Watermain, Grimsby

2. NEED FOR PROJECT

The new water supply to Smithville originates at the Park Road reservoir in Grimsby. Smithville is fed via a new 12 inch line, the Park Road reservoir via an old 10 inch line. The 10 inch line was also identified in the 1979 Update Report on Regional Water Services as requiring enlarging to provide improved service for the reservoir.

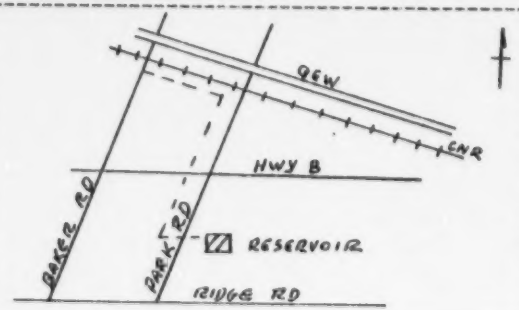
3. (a) CAPITAL COSTS

Construction	700,000
Engineering	50,000
Property	
Utility Relocations	
Traffic Signal	
Others	
1988 COSTS	750,000
Prior/Subsequent year costs:	
Year	
Year	
TOTAL PROJECT COST:	750,000

3. (b) FINANCING

Current Revenue	
Grants/Subsidies	112,500
Reserve Funds	637,500
Development Funds	
Debentures	
Contributions	
1988 Financing:	750,000
Prior/subsequent year financing	
Year	
Year	
TOTAL FINANCING:	750,000

4. LOCATION PLAN



5. EFFECT ON REVENUE BUDGET

New Staff (no.) _____

Est. Incremental Operating Cost/yr $ _____

6. CONFORM WITH THE REGIONAL OFFICIAL PLAN

Alan Veale

Planning Department

REVISED JAN 29/88

4 0224

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Water

PROJECT YEAR: 1989

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1989 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
IW84-2	Additional Allocation for Zone III Storage Facilities, St Catharines/NOTL	4,900,000	3,500,000	0	1,400,000	1,190,000	210,000	MOE	0	0
IW86-5	Taste/Odour Study, Rosehill WTP and Facility Installation, Fort Erie	675,000	125,000	0	550,000	550,000	0		0	0
IW87-1	Additional Reservoir Capacity DeCew Falls WTP	5,000,000	3,000,000	0	2,000,000	1,700,000	300,000	MOE	0	0
IW87-5	Upgrading Water Supply to Grimsby/Lincoln	16,000,000	3,000,000	8,000,000	5,000,000	1,926,000	750,000	MOE	0	2,324,000
IW89-1	Process Control System for Rosehill Water Treatment Plant	750,000	0	600,000	150,000	127,500	22,500	MOE	0	0
IW89-2	Booster Pumping Station at Grimsby/Lincoln Boundary	400,000	0	370,000	30,000	25,500	4,500	MOE	0	0
IW89-3	Elevated Tank for Smithville Community, West Lincoln	700,000	0	600,000	100,000	85,000	15,000	MOE	0	0
	TOTAL	28,425,000	9,625,000	9,570,000	9,230,000	5,604,000	1,302,000		0	2,324,000

REVISED JAN 12/88

4 0225

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Water

PROJECT YEAR: 1990

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1990 GROSS AMOUNT	REVENUE: CAPITAL LEVY RESERVE FUND	REVENUE: SUBSIDY AND CONTRIBUTION AMOUNT	REVENUE: SUBSIDY AND CONTRIBUTION SOURCE	PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
W87-5	Upgrading Water Supply to Grimsby/Lincoln	16,000,000	8,000,000	0	8,000,000	3,447,750	1,200,000	MOE	0	3,352,250
W89-1	Process Control System for Rosehill Water Treatment Plant	750,000	150,000	0	600,000	510,000	90,000	MOE	0	0
W89-2	Booster Pumping Station at Grimsby/Lincoln Boundary	400,000	30,000	0	370,000	325,000	45,000	MOE	0	0
W89-3	Elevated Tank for Smithville Community	700,000	100,000	0	600,000	502,500	97,500	MOE	0	0
W90-1	Bunting Road Watermain from Carlton Street to Scott Street	700,000	0	650,000	50,000	44,750	5,250	MOE	0	0
W90-2	Reinforcement of Water Supply to Queenston/St Davids	1,200,000	0	1,000,000	200,000	170,000	30,000	MOE	0	0
	TOTAL	19,750,000	8,280,000	1,650,000	9,820,000	5,000,000	1,467,750		0	3,352,250

REVISED JAN 12/88

4 0220

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Water

PROJECT YEAR: 1991

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1991 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
W90-1	Bunting Road Watermain from Carlton Street to Scott Street	700,000	50,000	0	650,000	552,500	97,500	MOE	0	0
W90-2	Reinforcement of Water Supply to Queenston/St Davids	1,200,000	200,000	0	1,000,000	850,000	150,000	MOE	0	0
W91-1	Watermain along NS & T Right-of-Way to Downtown Core, Niagara Falls	1,200,000	0	1,000,000	200,000	170,000	30,000	MOE	0	0
W91-2	Port Robinson Water Supply, Thorold	2,100,000	0	200,000	1,900,000	1,615,000	285,000	MOE	0	0
W91-3	Phipps Street Watermain from Crook Street to Central Avenue, Fort Erie	400,000	0	300,000	100,000	100,000	0		0	0
	TOTAL	5,600,000	250,000	1,500,000	3,850,000	3,287,500	562,500		0	0

REVISED JAN 12/88

4 0227

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY:Regional Niagara
DEPARTMENT :Public Works
PROGRAM :Water

PROJECT YEAR: 1992

PROJ. NO.	DESCRIPTION & LOCATION	TOTAL PROJECT COST	PRIOR APPROVALS (GROSS)	GROSS AMOUNT IN SUBSEQUENT YEAR(s)	1992 GROSS AMOUNT	REVENUE			PRIOR DEBENTURE APPROVAL	O.M.B. APPROVAL REQUIRED
						CAPITAL LEVY RESERVE FUND	SUBSIDY AND CONTRIBUTION AMOUNT	SOURCE		
W91-1	Watermain along NS & T Right-of-Way to Downtown Core, Niagara Falls	1,200,000	200,000	0	1,000,000	850,000	150,000	MOE	0	0
W91-2	Upgrading Port Robinson Water Supply, Thorold	2,100,000	1,900,000	0	200,000	170,000	30,000	MOE	0	0
W91-3	Phipps Street Watermain from Crook Street to Central Avenue, Fort Erie	400,000	100,000	0	300,000	255,000	45,000	MOE	0	0
W92-1	Expansion of Kent Street Pumping Station and Reservoir, Niagara Falls	3,500,000	0	3,000,000	500,000	425,000	75,000	MOE	0	0
W92-2	West Avenue Elevated Tank	2,500,000	0	2,000,000	500,000	425,000	75,000	MOE	0	0
	TOTAL	9,700,000	2,200,000	5,000,000	2,500,000	12,125,000	375,000		0	0

REVISED JAN 12/88

4 0223

SECTION 9

PUBLIC WORKS

ENVIRONMENTAL SERVICES

THE REGIONAL MUNICIPALITY OF NIAGARA
1988-1992 CAPITAL BUDGET FORECAST

PROPOSED CAPITAL EXPENDITURES AND FINANCING SUMMARY

DEPARTMENT: PUBLIC WORKS
DIVISION: ENVIRONMENTAL SERVICES

	1988	1989	1990	1991	1992
EXPENDITURES: (BY PROGRAM)	135,000	165,000	150,000	150,000	150,000
TOTAL PROPOSED EXPENDITURES	135,000	165,000	150,000	150,000	150,000
SOURCE OF FINANCING:					
GRANTS & SUBSIDIES Ministry of	60,000	100,000	75,000	75,000	75,000
CURRENT REVENUE Transportation	75,000	65,000	75,000	75,000	75,000
USER REVENUE					
RESERVES					
DEBENTURES - PRIOR TO 1988					
- 1988-1992					
OTHER					
TOTAL PROPOSED FINANCING	135,000	165,000	150,000	150,000	150,000

THE REGIONAL MUNICIPALITY OF NIAGARA

1988-1992 CAPITAL BUDGET FORECAST

MUNICIPALITY: REGIONAL NIAGARA
DEPARTMENT: PUBLIC WORKS
PROGRAM: ENVIRONMENTAL SERVICES
STUDIES

PROJECT YEAR: 1988

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			CURRENT REVENUE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
RE88-1	Transportation Planning Review and Studies Identified By The Regional Strategic Overview and Study Design, e.g. Grimsby Transportation Study - Phase III Travel Habit Survey - GO Transit Area Feasibility Study - Niagara Falls Area Studies	120,000	60,000	60,000	M. To Subsidy	---	---	---
RE88-2	Data Processing Development Costs - Water and Sewer Updates, Transportation Models - Time Sharing Costs.	15,000	15,000	---	---	---	---	---
	TOTALS	135,000	75,000	60,000				

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THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: PUBLIC WORKS

PROJECT: _____

PROJECT DETAIL SHEET

PROJECT NO. RE88-1

1. PROJECT TITLE, DESCRIPTION & LOCATION

TRANSPORTATION PLANNING REVIEW AND STUDIES IDENTIFIED BY THE REGIONAL STRATEGIC OVERVIEW AND STUDY DESIGN

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	120,000
1988 COSTS	$ 120,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1987	120,000
YEAR _____	
TOTAL PROJECT COSTS	$ 240,000

3(B) FINANCING:

CURRENT REVENUE	60,000
GRANTS & SUBSIDIES	60,000
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 120,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR 1987	120,000
YEAR _____	
TOTAL PROJECT FINANCING	$ 240,000

4. NEED FOR PROJECT

TO DEVELOP PUBLIC WORKS STRATEGIES AS THEY RELATE TO THE EXISTING FACILITIES AND PROVIDE THE FRAMEWORK FOR DEVELOPING NEW FACILITIES IN THE FUTURE.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.)	Nil
ESTIMATED INCREMENTAL OPERATING COSTS/YEAR	$ Nil

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

_____

PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)

THE REGIONAL MUNICIPALITY OF NIAGARA

DEPARTMENT: PUBLIC WORKS

PROJECT: _____

PROJECT DETAIL SHEET

PROJECT NO. RE88-2

1. PROJECT TITLE, DESCRIPTION & LOCATION

DATA PROCESSING DEVELOPMENT COSTS - WATER AND SEWER SERVICING UPDATES, TRANSPORTATION FORECASTING MODELS UPDATES - TIME SHARING COSTS.

2. LOCATION PLAN

3(A) CAPITAL COSTS:

CONSTRUCTION	
ENGINEERING	
PROPERTY	
EQUIPMENT	
UTILITY RELOCATIONS	
OTHER:	
1988 COSTS	$ 15,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1987	15,000
YEAR _____	
TOTAL PROJECT COSTS	$ 30,000

3(B) FINANCING:

CURRENT REVENUE	15,000
GRANTS & SUBSIDIES	
RESERVES/RESERVE FUNDS	
DEVELOPMENT FUNDS	
DEBENTURES	
OTHER CONTRIBUTIONS:	
1988 COSTS	$ 15,000
PRIOR/SUBSEQUENT YEAR FINANCING:	
YEAR 1987	15,000
YEAR _____	
TOTAL PROJECT FINANCING	$ 30,000

4. NEED FOR PROJECT

ACQUISITION AND DEVELOPMENT OF SOFTWARE FOR WATER AND SEWER SERVICING TO FACILITATE THE PLANNING PROCESS AND REFINEMENT OF TRANSPORTATION FORECASTING MODELS WITH CURRENT DATA.

5. EFFECT ON REVENUE BUDGET

NEW STAFF (NO.)	Nil
ESTIMATED INCREMENTAL OPERATING COSTS/YEAR	$ Nil

6. CONFORMS WITH THE REGIONAL OFFICAL PLAN

PLANNING DEPARTMENT

B1001 (Cap) (Rev:8-87)